Ohio
Labor
Market
Information

Labor Market Review

1990 Annual Averages

Summary. Statewide nonagricultural wage and salary employment increased 78,400 in 1990, to 4.896 million. The rate of increase was 1.6 percent, compared to 2.5 percent in 1989. The 1990 growth rate was the lowest since 1983, although improvements in all service-producing industries and in construction and nondurable-goods manufacturing more than offset employment reductions in durable-goods manufacturing and mining.

Services led all divisions in the creation of new jobs in 1990— 48,600 or 62.0 percent of the total improvement. Increased hiring was reported in business services, health services, social services, and engineering and management services. Federal, state and local government employment expanded 17,800 jobs during the year. Most of the increase occurred in public schools and colleges. Noteworthy improvements were also reported in retail trade, up 10,600 jobs over the year, with increases in eating and drinking places, miscellaneous retail stores, and food stores. More than 4,900 workers were added to construction payrolls in Ohio in 1990. Special trade contractors contributed most to the change. (See table, below.)

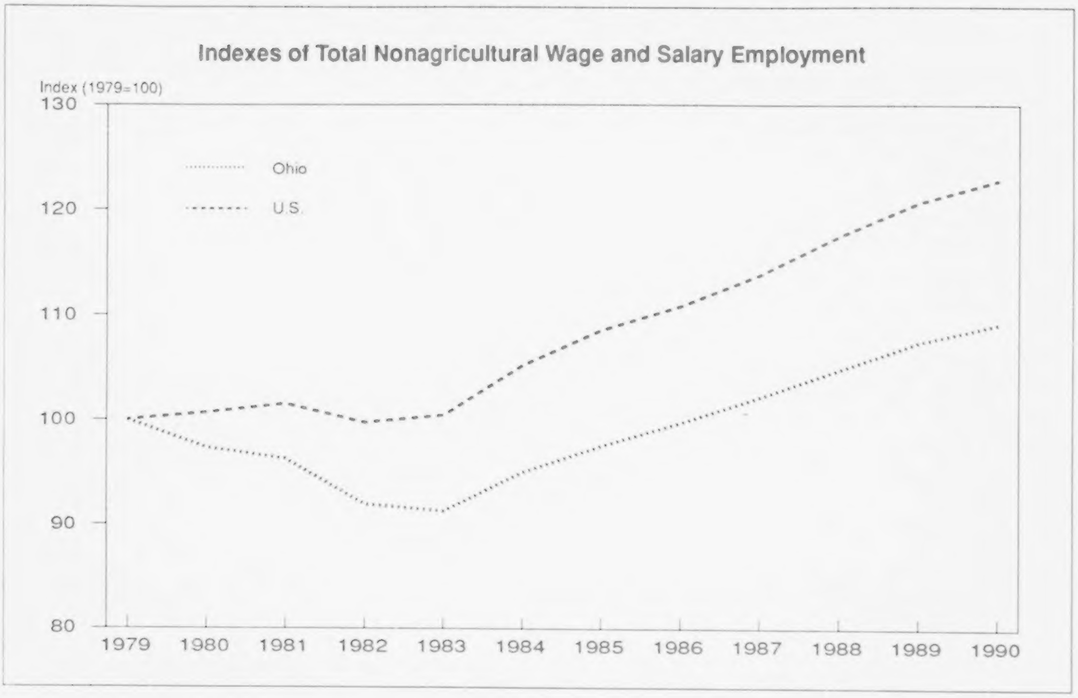
Nonagricultural Wage and Salary Employment. Nonagricultural employment averaged 4.896 million in 1990, up 78,400 jobs or 1.6 percent from 1989. Improvements in services, especially

Ohio Nonfarm Employment Changes, 1989-1990

Industry	1990 Employment (in thousands)	Employment Change 1989-1990	Percent Change 1989-1990
Total	**4,895.8**	**78.4**	**1.6**
Goods-Producing Industries	**1,327.8**	**-6.3**	**-.5**
Mining	17.6	-.3	-1.9
Construction	198.5	4.9	2.5
Manufacturing	1,111.7	-10.8	-1.0
Durable Goods	743.3	-11.4	-1.5
Nondurable Goods	368.5	.5	.1
Service-Producing Industries	**3,568.0**	**84.6**	**2.4**
Transportation and Public Utilities	219.7	3.3	1.5
Wholesale Trade	262.8	1.8	.7
Retail Trade	910.8	10.6	1.2
Finance, Insurance, and Real Estate	254.9	2.5	1.0
Services	1,195.6	48.6	4.2
Government	724.2	17.8	2.5

Ohio Bureau of Employment Services

George V. Voinovich, Governor
James Conrad, Administrator



business and health services, in state and local schools and colleges, and in retail trade accounted for most of the gain. Employment in goods-producing industries declined 6,300 over the year to 1.328 million. The loss occurred among manufacturers of durable goods. Industries hardest hit by the downturn were fabricated metal products, -4,600; industrial machinery and equipment, -2,500; and primary metal industries, -2,300.

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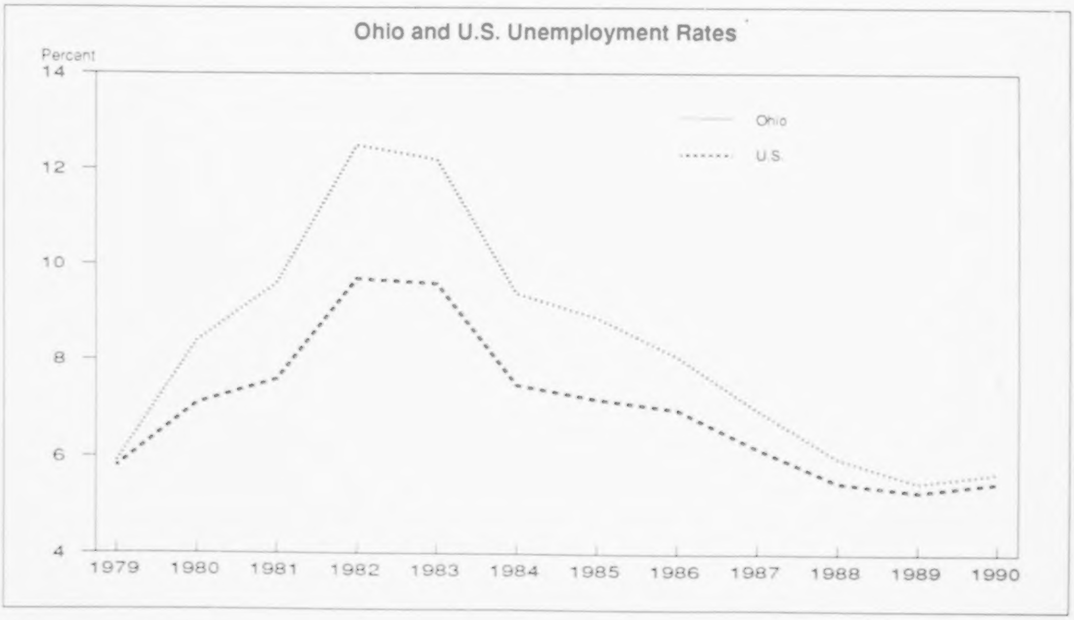
Total Employment. According to the monthly household survey, total employment in Ohio advanced 8,000 over the year to 5.126 million. The rate of increase was 0.2 percent. U.S. employment advanced at a rate of 0.5 percent in 1990.

Unemployment. Unemployment in Ohio averaged 307,000 in 1990, up 7,000 from 1989. Although it is at a relatively low level, this is the first increase in the annual average unemployment figure since 1982. The unemployment rate edged upward from 5.5 percent in 1989 to 5.7 percent in 1990. The U.S. rate rose from 5.3 percent to 5.5 percent during the same period.

Civilian Labor Force Estimates for Ohio and the U.S.
(Employed and Unemployed in Thousands)

Ohio				Year	United States			
Civilian Labor Force					Civilian Labor Force			
	Employment					Employment		
		Unemployment					Unemployment	
		Total	Rate				Total	Rate
5,059	4,760	299	5.9	1979	104,962	98,824	6,137	5.8
5,089	4,663	426	8.4	1980	106,940	99,303	7,637	7.1
5,100	4,608	492	9.6	1981	108,670	100,397	8,273	7.6
5,114	4,474	640	12.5	1982	110,204	99,526	10,678	9.7
5,099	4,478	621	12.2	1983	111,550	100,834	10,717	9.6
5,089	4,609	480	9.4	1984	113,544	105,005	8,539	7.5
5,135	4,680	455	8.9	1985	115,461	107,150	8,312	7.2
5,232	4,806	425	8.1	1986	117,834	109,597	8,237	7.0
5,253	4,886	367	7.0	1987	119,865	112,440	7,425	6.2
5,322	5,002	320	6.0	1988	121,669	114,968	6,701	5.5
5,419	5,118	300	5.5	1989	123,869	117,342	6,528	5.3
5,433	5,126	307	5.7	1990	124,787	117,914	6,874	5.5


Ohio and U.S. Unemployment Rates

Growth Industries. Seven of the top ten growth industries in Ohio in 1990 were in services. Employment in management and public relations services grew at a rate of 10.6 percent; computer and data processing services and transportation by air, 9.1 percent; engineering and architectural services, 7.6 percent; personnel supply services, 6.1 percent; services to buildings, 5.9 percent; and residential care services, 5.9 percent. Other noteworthy growth industries were nonstore retailers, amusements, including motion pictures, and gasoline service stations.

Employment Gains and Losses
Ohio and U.S., 1989-1990

Industry	1990 Ohio Employment (in thous.)	1989-1990 Percent Change Ohio	U.S.
Most Rapidly Growing Industries			
Management and Public Relations Services	21.9	10.6	1.1
Computer and Data Processing Services	27.6	9.1	7.5
Transportation by Air	14.4	9.1	13.3
Engineering and Architectural Services	28.4	7.6	2.7
Personnel Supply Services	75.3	6.1	-1.4
Services to Buildings	33.9	5.9	-.3
Residential Care Services	23.4	5.9	11.1
Nonstore Retailers	22.6	5.6	-5.5
Amusements, Including Motion Pictures	61.3	5.0	5.2
Gasoline Service Stations	35.6	5.0	.3
Declining Industries			
Variety Stores	10.2	-17.1	-4.8
Nonferrous Rolling and Drawing Mills	16.0	-7.0	-2.1
Construction and Related Machinery	13.3	-5.7	.9
Coal Mining	6.9	-5.5	6.0
Railroad Transportation	12.2	-5.4	-3.1
Measuring and Controlling Devices	15.5	-4.9	-2.8
Metal Forgings and Stampings	37.6	-4.8	-4.2
Refrigeration and Service Machinery	15.7	-4.8	-5.3
Iron and Steel Foundries	19.7	-3.9	-3.3
Apparel and Other Textile Products	14.8	-3.9	-4.3
Total, All Industries	4,895.8	1.6	1.8
Goods-Producing Industries	1,327.8	-.5	-1.3
Service-Producing Industries	3,568.0	2.4	2.7

Declining Industries. Employment in variety stores dropped 17.1 percent during 1990. Most other Ohio industries reporting substantial employment declines in 1990 were in the durable-goods manufacturing sector. Nonferrous rolling and drawing mills and construction and related machinery recorded the largest percentage declines. Important reductions were reported in coal mining, railroad transportation, measuring and controlling devices, metal forgings and stampings, refrigeration and service machinery, iron and steel foundries, and apparel and other textile products.

Conclusion. In 1988, employment in wholesale/retail trade surpassed employment in manufacturing for the first time. In 1990, employment in services eclipsed both manufacturing and trade, now accounting for 24.4 percent of nonagricultural wage and salary employment in Ohio. (See table, page 22.) Mild recessionary signs are evident in the nonagricultural wage and salary data for 1990. Employment in durable-goods manufacturing dropped significantly over the year, while nondurable goods employment rose just slightly above its 1989 level. Construction employment advanced at a rate of 2.5 percent, well below the 4.3 percent rate of increase for 1989. Expansion in services, government, and retail trade, however, more than offset these reductions.

The Ohio Labor Force, 1990

Each month, the U.S Bureau of the Census conducts a national household survey, the Current Population Survey (CPS), which the U.S. Bureau of Labor Statistics uses to measure the nation's employment and unemployment. Statewide labor force estimates for Ohio and ten other large states are derived directly from the CPS.

According to CPS data (see table below), the Ohio civilian labor force averaged 5,433,000 in 1990, comprising 5,126,000 employed and 307,000 unemployed. The unemployment rate was 5.7 percent, up from 5.5 percent in 1989.

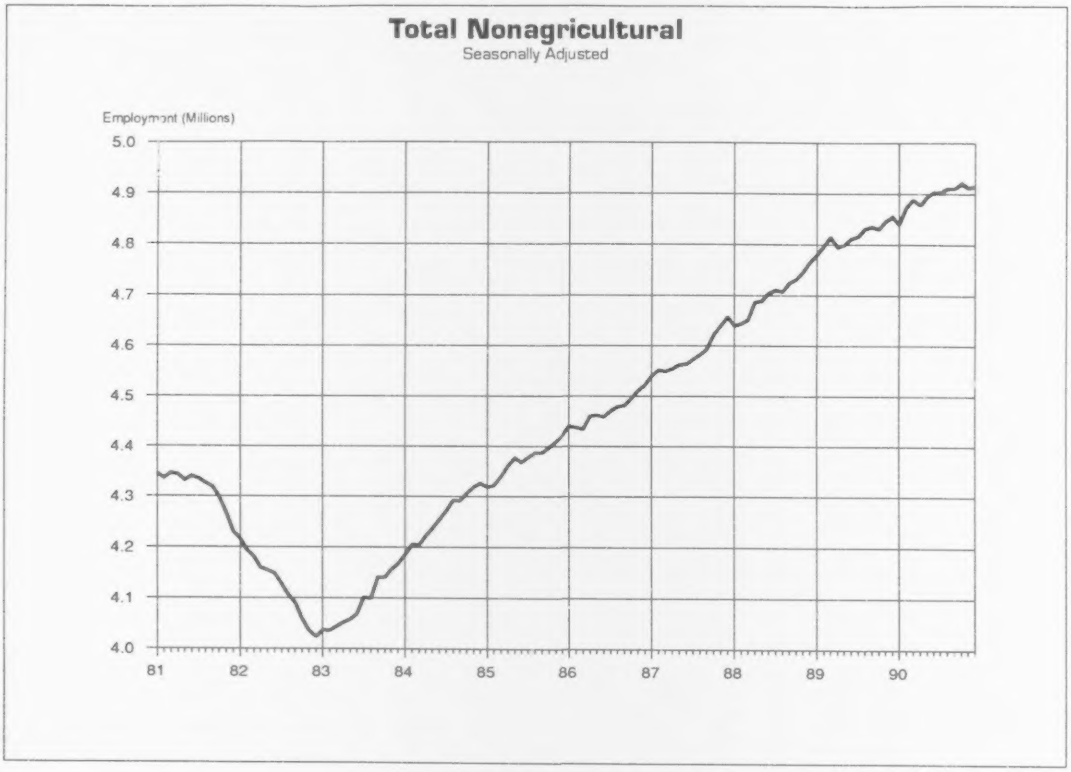
For men, the unemployment rate was 5.9 percent, compared to 5.3 percent for women. Contrary to the norm in earlier years, men have had higher unemployment rates than women since 1980, when Ohio entered an extended period of economic recession. Industries with predominantly male work forces—mining, construction, manufacturing, and transportation and public utilities—were hard hit, with only construction returning to pre-1980 employment levels. On the other hand, the two industries with the highest proportion of female employees—services and finance, insurance, and real estate—added workers even during the recessions of the early 1980's. Women comprised 45.3 percent of the labor force and 42.7 percent of the unemployed in 1990.

Unemployment rates were highest for young workers (16-24)—12.3 percent for men and 10.6 percent for women. For prime-age workers (25-54), the rates were 4.7 percent for men and 4.3 percent for women. The rates among older workers (55 and over) were 4.8 percent for men and 2.5 percent for women.

In 1990, the nonwhite unemployment rate (13.0 percent) was more than double the rate for white workers (4.8 percent). The result was that while nonwhites made up 10.4 percent of the labor force, they constituted 23.8 percent of the unemployed. The nonwhite-to-white ratios for the two sexes differed very little in respect to unemployment rate. The rates were 14.0 percent for nonwhite men, 5.1 percent for white men, 12.2 percent for nonwhite women, and 4.4 percent for white women.

Employment Status of the Civilian Labor Force
By Sex, Race, and Age Group, Ohio, 1990

Characteristic	Civilian Labor Force	Employed	Unemployed	Unemployment Rate
Total, age 16 and over	5,433,000	5,126,000	307,000	5.7
Men, total	2,970,000	2,794,000	177,000	5.9
Young Men (16-24)	514,000	451,000	63,000	12.3
Prime-Age Men (25-54)	2,058,000	1,963,000	96,000	4.7
Older Men (55 and over)	397,000	379,000	19,000	4.8
Women, total	2,463,000	2,333,000	131,000	5.3
Young Women (16-24)	470,000	421,000	50,000	10.6
Prime-Age Women (25-54)	1,712,000	1,638,000	74,000	4.3
Older Women (55 and over)	281,000	274,000	7,000	2.5
White, total	4,870,000	4,636,000	234,000	4.8
White Men	2,685,000	2,548,000	137,000	5.1
White Women	2,185,000	2,088,000	97,000	4.4
Nonwhite, total	563,000	490,000	73,000	13.0
Nonwhite Men	285,000	246,000	40,000	14.0
Nonwhite Women	278,000	245,000	34,000	12.2



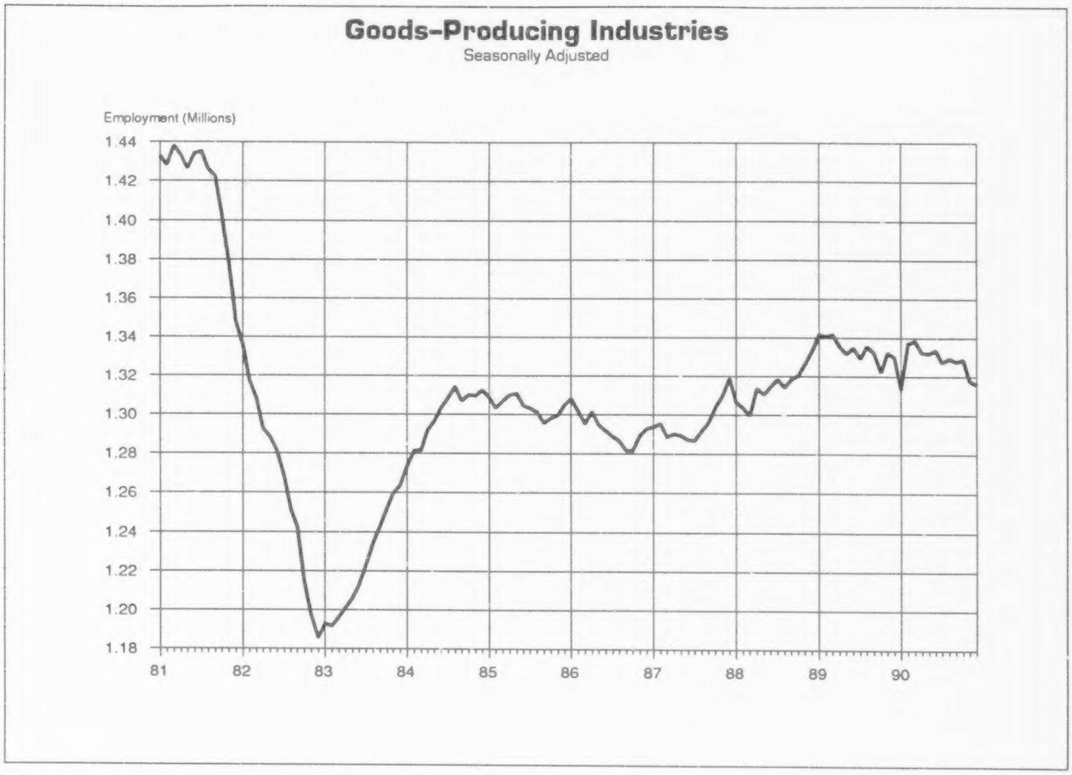
Total Nonagricultural
Seasonally Adjusted

Ohio Nonagricultural Wage and Salary Employment: 1981-1990

(in thousands)
Seasonally Adjusted

Total Nonagricultural

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1981	4,345	4,336	4,347	4,343	4,332	4,340	4,334	4,326	4,319	4,299	4,267	4,231
1982	4,216	4,194	4,182	4,160	4,155	4,149	4,127	4,106	4,091	4,059	4,036	4,023
1983	4,037	4,035	4,045	4,051	4,059	4,069	4,101	4,100	4,141	4,141	4,156	4,167
1984	4,185	4,205	4,204	4,222	4,236	4,254	4,271	4,292	4,291	4,306	4,319	4,326
1985	4,319	4,322	4,340	4,361	4,377	4,368	4,378	4,387	4,387	4,398	4,410	4,422
1986	4,440	4,438	4,435	4,460	4,462	4,459	4,470	4,479	4,481	4,495	4,510	4,522
1987	4,539	4,552	4,550	4,554	4,562	4,564	4,573	4,583	4,592	4,623	4,640	4,657
1988	4,640	4,644	4,651	4,686	4,690	4,705	4,711	4,708	4,724	4,731	4,745	4,765
1989	4,780	4,796	4,815	4,794	4,798	4,812	4,816	4,830	4,834	4,830	4,845	4,854
1990	4,840	4,873	4,888	4,878	4,895	4,903	4,903	4,910	4,911	4,921	4,913	4,914



Goods-Producing Industries

Seasonally Adjusted

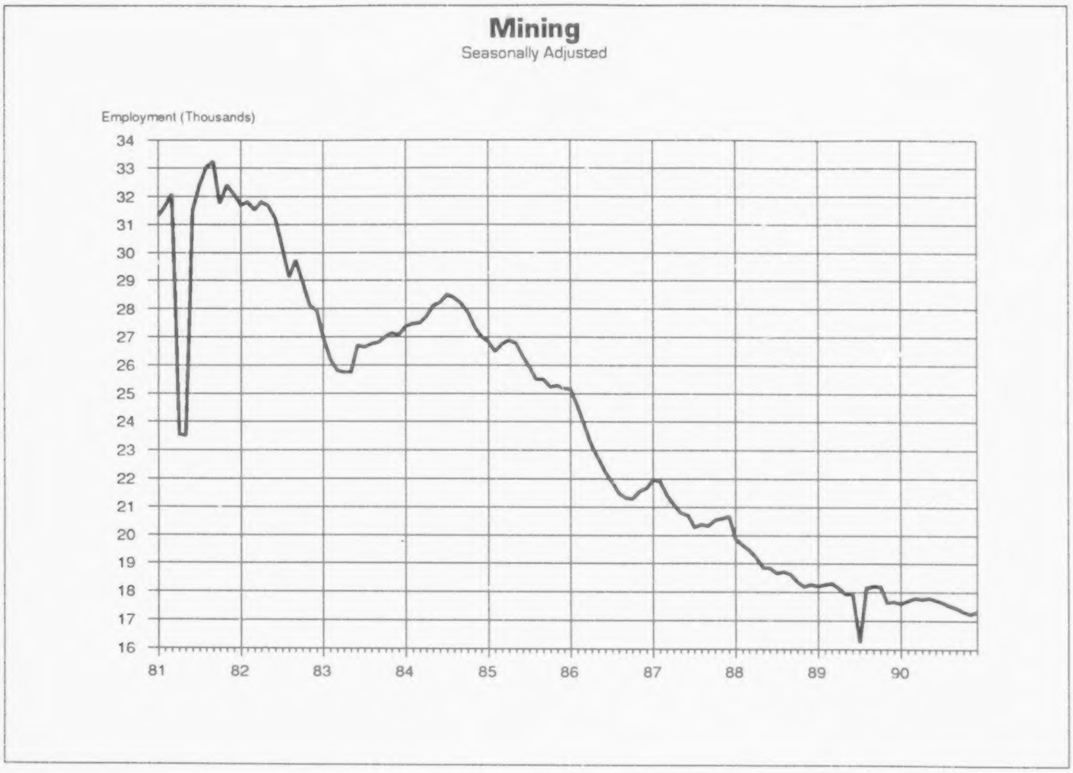
Ohio Nonagricultural Wage and Salary Employment: 1981-1990

(in thousands)

Seasonally Adjusted

Goods-Producing Industries

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1981	1,433	1,428	1,438	1,433	1,427	1,434	1,435	1,426	1,423	1,404	1,380	1,348
1982	1,336	1,318	1,308	1,293	1,288	1,281	1,268	1,252	1,243	1,215	1,197	1,185
1983	1,193	1,192	1,196	1,201	1,206	1,213	1,223	1,234	1,243	1,252	1,260	1,264
1984	1,273	1,282	1,282	1,292	1,296	1,303	1,309	1,314	1,307	1,310	1,310	1,313
1985	1,309	1,303	1,307	1,310	1,311	1,305	1,303	1,301	1,296	1,298	1,300	1,305
1986	1,308	1,302	1,295	1,302	1,295	1,292	1,289	1,287	1,282	1,282	1,289	1,293
1987	1,294	1,295	1,289	1,290	1,290	1,287	1,287	1,292	1,296	1,304	1,310	1,319
1988	1,307	1,304	1,300	1,314	1,311	1,315	1,318	1,314	1,318	1,321	1,326	1,333
1989	1,342	1,341	1,342	1,335	1,332	1,335	1,329	1,336	1,332	1,322	1,332	1,330
1990	1,314	1,337	1,338	1,332	1,332	1,334	1,328	1,329	1,328	1,329	1,318	1,316

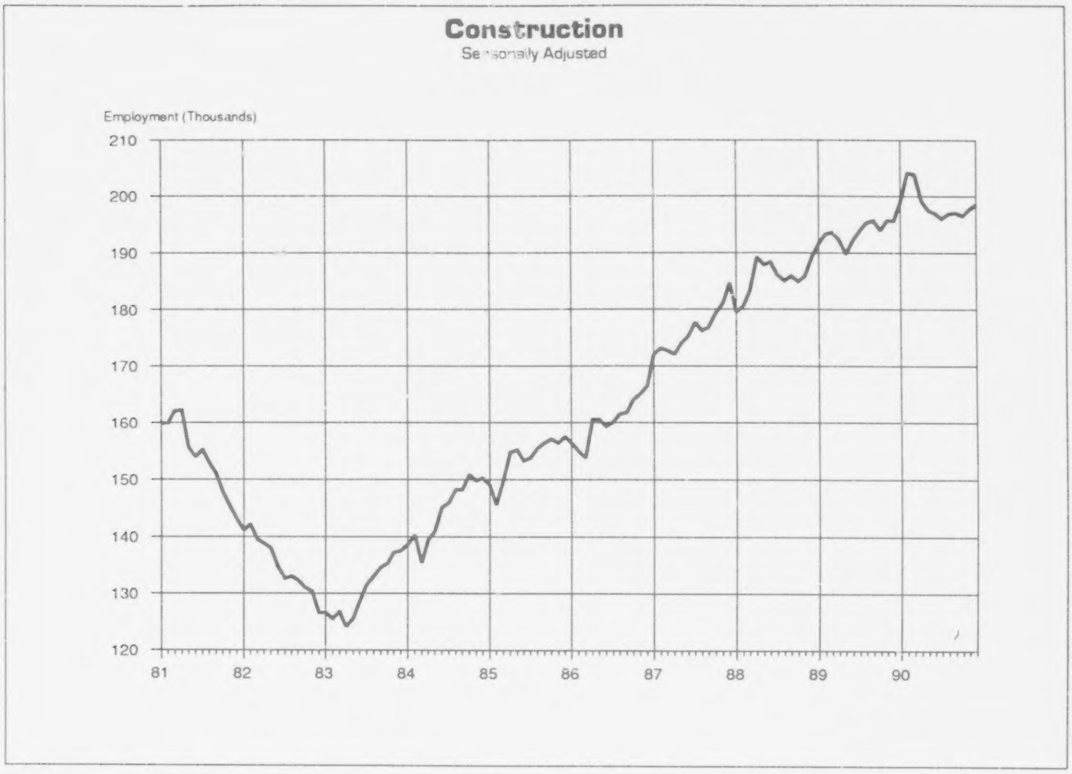


Ohio Nonagricultural Wage and Salary Employment: 1981-1990

(in thousands)
Seasonally Adjusted

Mining

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1981	31	32	32	24	24	32	32	33	33	32	32	32
1982	32	32	32	32	32	31	30	29	30	29	28	28
1983	27	26	26	26	26	27	27	27	27	27	27	27
1984	27	27	27	28	28	28	28	28	28	28	27	27
1985	27	26	27	27	27	26	26	26	26	25	25	25
1986	25	25	24	23	23	22	22	21	21	21	22	22
1987	22	22	21	21	21	21	20	20	20	21	21	21
1988	20	20	19	19	19	19	19	19	19	18	18	18
1989	18	18	18	18	18	18	16	18	18	18	18	18
1990	18	18	18	18	18	18	18	18	17	17	17	17

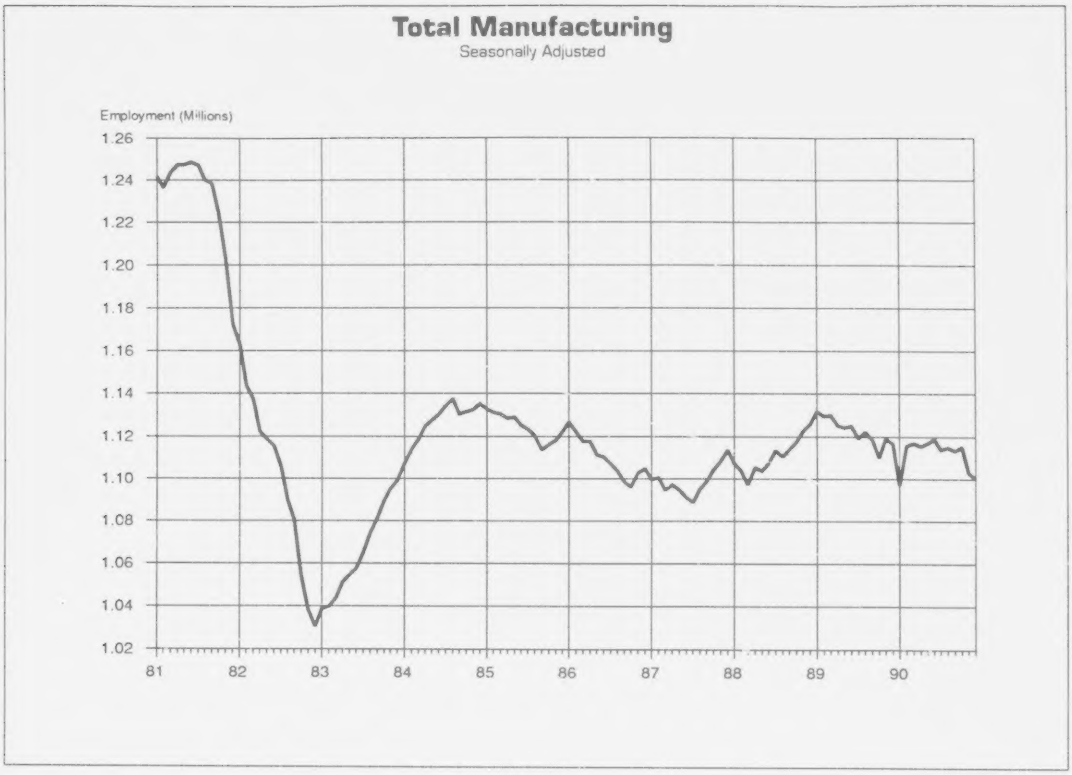


Ohio Nonagricultural Wage and Salary Employment: 1981-1990

(in thousands)
Seasonally Adjusted

Construction

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1981	160	160	162	162	156	154	155	153	151	148	145	143
1982	141	142	139	139	138	135	133	133	132	131	130	127
1983	127	126	127	124	126	129	132	133	135	135	137	137
1984	139	140	135	139	141	145	146	148	148	151	150	150
1985	149	146	150	155	155	153	154	156	157	157	156	158
1986	157	155	154	161	161	159	160	162	162	164	165	166
1987	172	173	173	172	174	175	178	176	177	179	181	185
1988	180	181	183	189	188	188	186	185	186	185	186	189
1989	192	193	194	192	190	192	194	195	196	194	196	196
1990	199	204	204	199	198	197	196	197	197	197	198	199

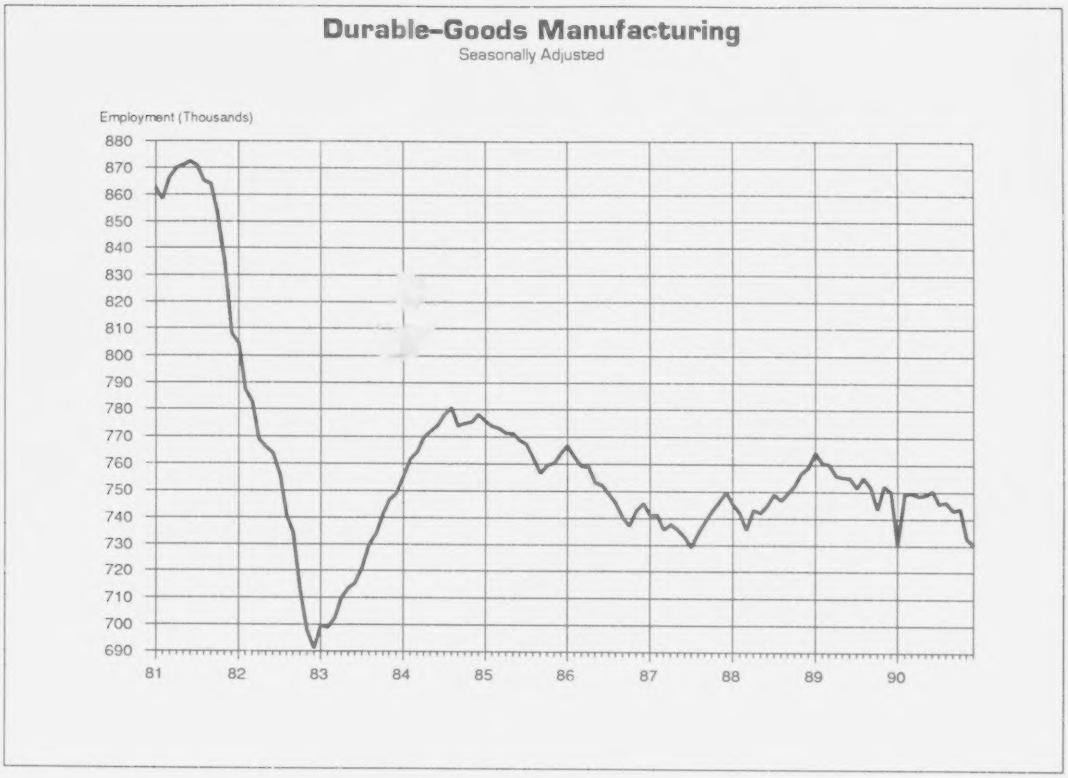


Ohio Nonagricultural Wage and Salary Employment: 1981-1990

(in thousands)
Seasonally Adjusted

Total Manufacturing

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1981	1,242	1,237	1,244	1,247	1,247	1,249	1,247	1,240	1,238	1,225	1,202	1,173
1982	1,163	1,144	1,137	1,122	1,119	1,115	1,106	1,090	1,081	1,055	1,038	1,031
1983	1,039	1,040	1,044	1,051	1,055	1,058	1,065	1,074	1,082	1,090	1,095	1,099
1984	1,107	1,114	1,119	1,125	1,127	1,130	1,134	1,138	1,131	1,131	1,132	1,135
1985	1,133	1,131	1,130	1,128	1,129	1,125	1,124	1,120	1,114	1,116	1,118	1,122
1986	1,127	1,122	1,118	1,118	1,111	1,110	1,107	1,104	1,098	1,096	1,103	1,105
1987	1,100	1,100	1,095	1,097	1,095	1,091	1,089	1,095	1,099	1,104	1,108	1,114
1988	1,107	1,103	1,097	1,105	1,104	1,107	1,113	1,110	1,114	1,117	1,122	1,126
1989	1,132	1,129	1,130	1,125	1,124	1,125	1,119	1,122	1,119	1,110	1,119	1,117
1990	1,097	1,116	1,117	1,115	1,117	1,119	1,114	1,115	1,113	1,115	1,103	1,100

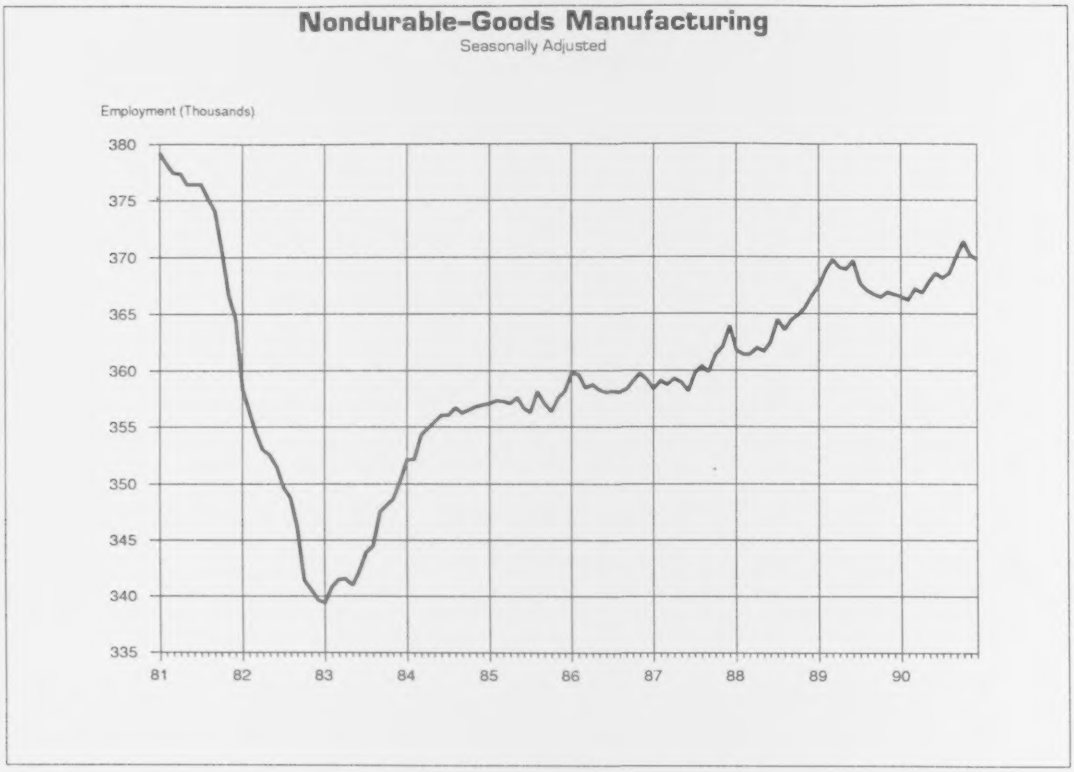


Ohio Nonagricultural Wage and Salary Employment: 1981-1990

(in thousands)
Seasonally Adjusted

Durable-Goods Manufacturing

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1981	862	858	866	870	871	872	871	865	864	854	835	808
1982	805	787	783	769	766	764	756	741	734	713	698	691
1983	700	699	702	710	714	715	721	730	734	742	747	749
1984	755	762	764	770	772	774	778	781	774	775	776	778
1985	776	774	773	771	771	769	767	762	757	760	760	764
1986	767	763	759	759	753	752	749	746	740	737	743	746
1987	741	741	736	738	736	733	729	735	739	743	746	750
1988	745	742	736	743	742	745	749	747	749	752	757	759
1989	764	761	760	756	755	755	752	755	752	744	752	750
1990	730	749	750	748	749	750	746	746	743	744	733	730

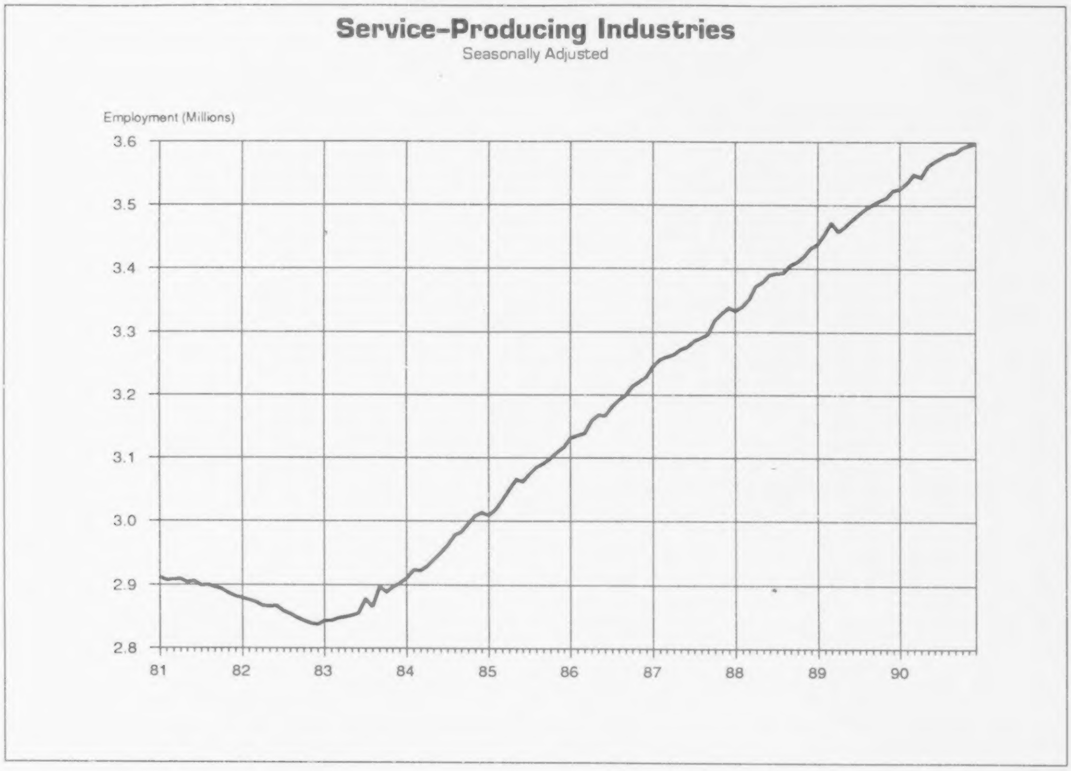


Ohio Nonagricultural Wage and Salary Employment: 1981-1990

(in thousands)
Seasonally Adjusted

Nondurable-Goods Manufacturing

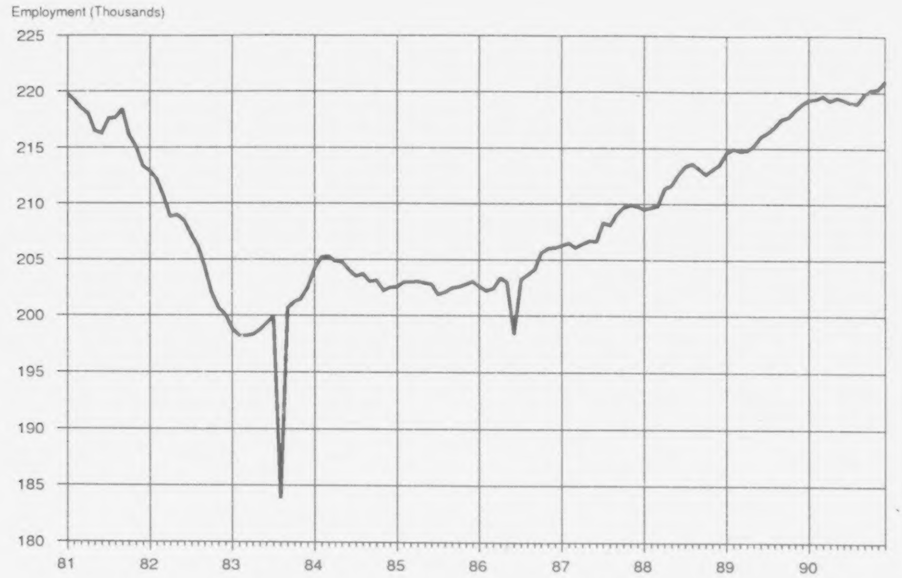
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1981	379	378	377	377	376	376	376	375	374	371	367	365
1982	358	356	354	353	353	352	350	349	346	341	341	340
1983	339	341	341	342	341	342	344	345	348	348	349	350
1984	352	352	354	355	355	356	356	357	356	357	357	357
1985	357	357	357	357	358	357	356	358	357	356	358	358
1986	360	360	358	359	358	358	358	358	358	359	360	359
1987	358	359	359	359	359	358	360	360	360	361	362	364
1988	362	361	361	362	362	362	364	364	364	365	366	367
1989	367	369	370	369	369	370	368	367	367	366	367	367
1990	366	366	367	367	368	369	368	369	370	371	370	370


Service-Producing Industries
Seasonally Adjusted

Ohio Nonagricultural Wage and Salary Employment: 1981-1990
(in thousands)
Seasonally Adjusted

Service-Producing Industries

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1981	2,912	2,908	2,909	2,910	2,905	2,906	2,899	2,900	2,897	2,894	2,887	2,883
1982	2,880	2,876	2,873	2,867	2,866	2,868	2,859	2,855	2,849	2,844	2,839	2,838
1983	2,844	2,844	2,848	2,850	2,853	2,856	2,878	2,866	2,898	2,889	2,897	2,903
1984	2,911	2,924	2,923	2,930	2,940	2,951	2,963	2,978	2,984	2,996	3,009	3,014
1985	3,010	3,018	3,033	3,050	3,066	3,063	3,074	3,085	3,092	3,100	3,110	3,117
1986	3,131	3,136	3,139	3,159	3,167	3,167	3,181	3,192	3,200	3,213	3,221	3,229
1987	3,245	3,256	3,261	3,264	3,272	3,276	3,286	3,291	3,296	3,319	3,330	3,338
1988	3,333	3,340	3,351	3,372	3,379	3,390	3,392	3,393	3,406	3,410	3,419	3,432
1989	3,439	3,455	3,473	3,459	3,466	3,477	3,486	3,495	3,502	3,508	3,513	3,524
1990	3,526	3,536	3,550	3,545	3,563	3,570	3,576	3,581	3,583	3,592	3,595	3,598



Transportation and Public Utilities

Seasonally Adjusted

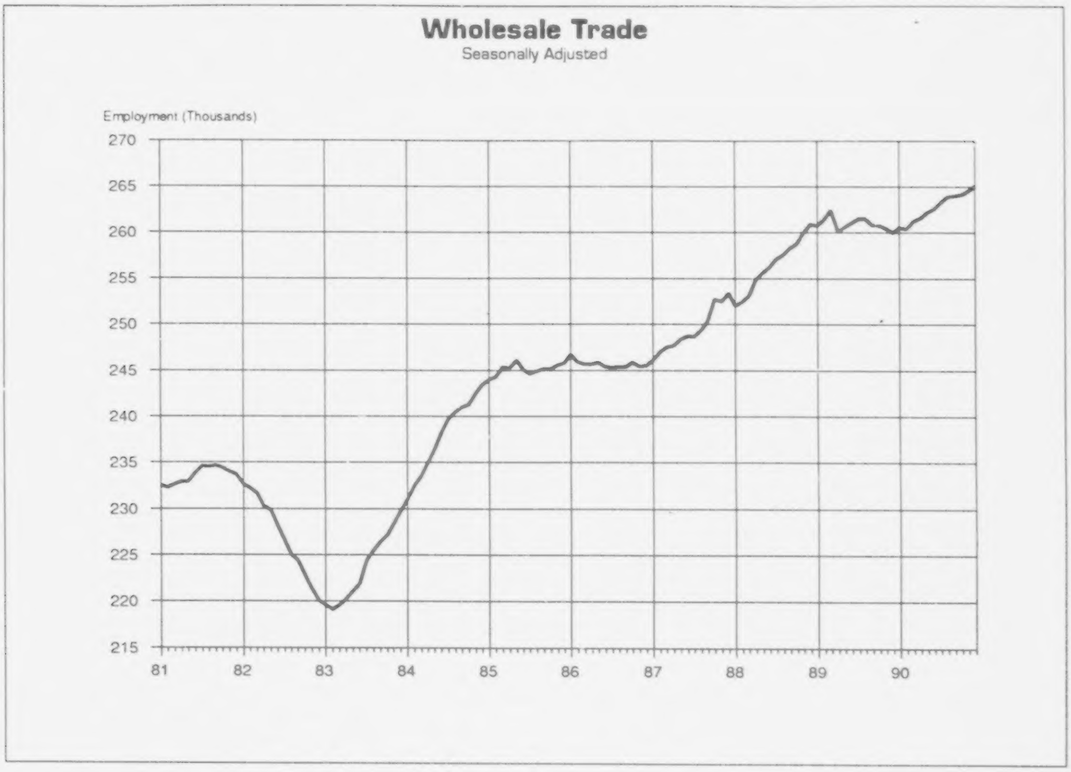
Ohio Nonagricultural Wage and Salary Employment: 1981-1990

(in thousands)

Seasonally Adjusted

Transportation and Public Utilities

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1981	220	219	219	218	217	216	218	218	218	216	215	213
1982	213	212	211	209	209	208	207	206	204	202	201	200
1983	199	198	198	198	199	199	200	184	201	201	202	203
1984	204	205	205	205	205	204	204	204	203	203	202	203
1985	203	203	203	203	203	203	202	202	202	203	203	203
1986	203	202	202	203	203	198	203	204	204	206	206	206
1987	206	207	206	206	207	207	208	208	209	210	210	210
1988	210	210	210	211	212	213	213	214	213	213	213	214
1989	215	215	215	215	215	216	216	217	218	218	218	219
1990	219	219	220	219	220	219	219	219	220	220	220	221



Wholesale Trade

Seasonally Adjusted

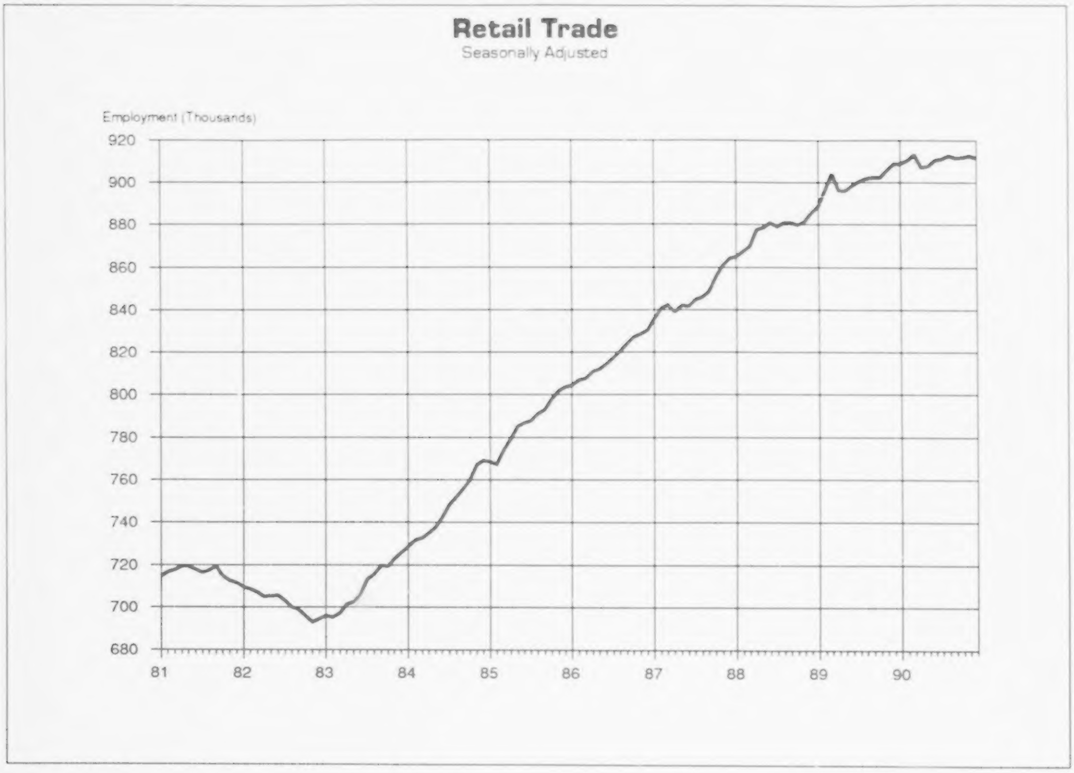
Ohio Nonagricultural Wage and Salary Employment: 1981-1990

(in thousands)

Seasonally Adjusted

Wholesale Trade

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1981	233	232	233	233	233	234	235	235	235	234	234	234
1982	233	232	232	230	230	228	227	225	224	223	221	220
1983	220	219	220	220	221	222	224	226	226	227	228	230
1984	231	233	234	235	236	238	240	240	241	241	243	243
1985	244	244	245	245	246	245	245	245	245	245	246	246
1986	247	246	246	246	246	245	245	245	245	246	245	246
1987	246	247	248	248	248	249	249	249	250	253	253	253
1988	252	252	253	255	256	256	257	258	258	259	260	261
1989	261	261	262	260	261	261	262	262	261	261	261	260
1990	261	260	261	262	262	263	263	264	264	264	265	265

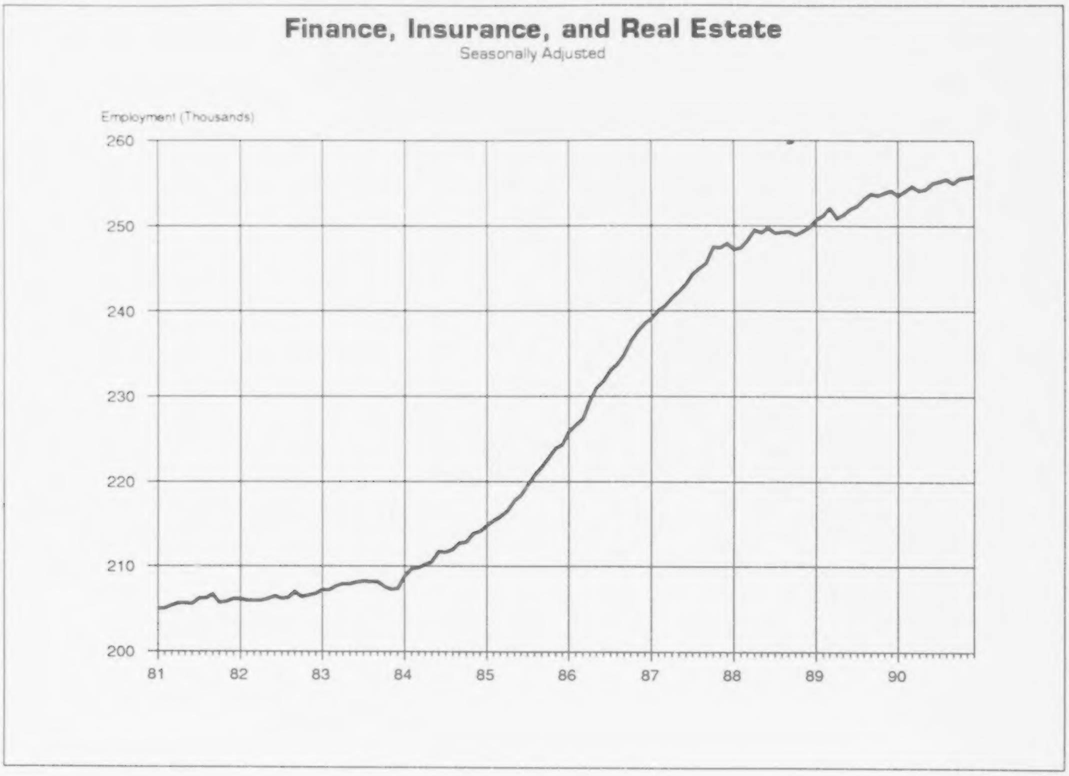


Retail Trade
Seasonally Adjusted

Ohio Nonagricultural Wage and Salary Employment: 1981-1990
(in thousands)
Seasonally Adjusted

Retail Trade

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1981	715	717	718	719	720	718	717	718	719	715	713	712
1982	710	709	707	705	705	706	703	700	699	696	693	695
1983	696	695	697	701	702	706	713	716	720	720	723	726
1984	729	732	733	735	737	742	748	752	755	760	767	769
1985	768	767	774	779	785	787	788	791	793	798	802	803
1986	804	807	808	811	812	815	817	821	824	827	829	830
1987	836	841	842	839	842	842	845	846	849	856	861	864
1988	865	867	870	878	879	881	879	881	881	880	881	885
1989	889	896	904	896	896	899	901	902	902	902	906	909
1990	909	910	913	907	908	911	911	913	912	912	913	912

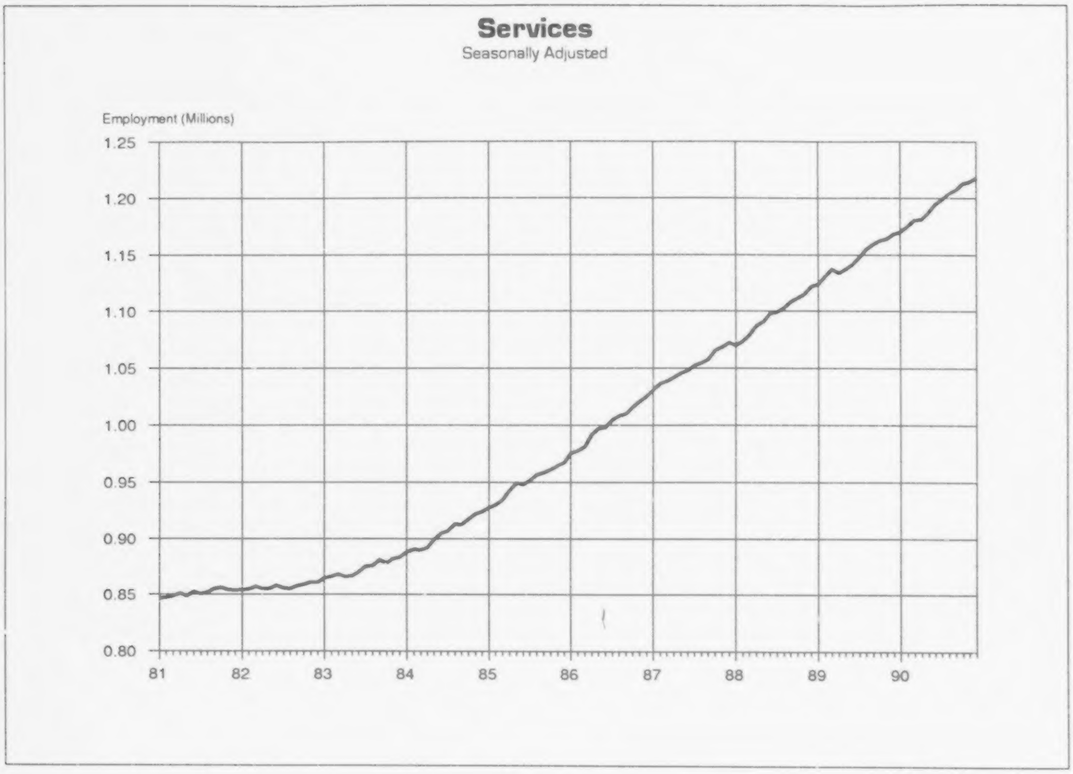


Ohio Nonagricultural Wage and Salary Employment: 1981-1990

(in thousands)
Seasonally Adjusted

Finance, Insurance, and Real Estate

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1981	205	205	205	206	206	206	206	206	207	206	206	206
1982	206	206	206	206	206	207	206	206	207	206	207	207
1983	207	207	208	208	208	208	208	208	208	208	207	207
1984	209	210	210	210	211	212	212	212	213	213	214	214
1985	215	215	216	217	218	218	220	221	222	223	224	224
1986	226	227	227	229	231	232	233	234	235	237	238	239
1987	239	240	241	242	242	243	244	245	246	247	247	248
1988	247	247	248	249	249	250	249	249	249	249	249	250
1989	251	251	252	251	251	252	252	253	254	254	254	254
1990	254	254	255	254	254	255	255	255	255	256	256	256



Services

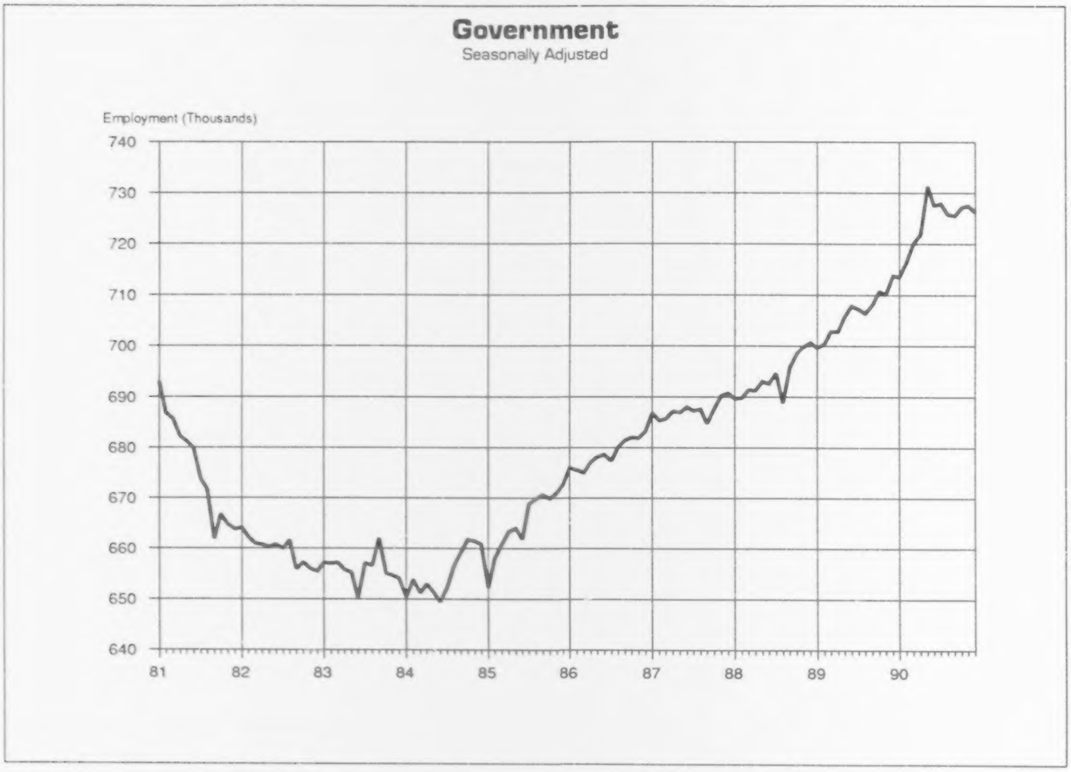
Seasonally Adjusted

Ohio Nonagricultural Wage and Salary Employment: 1981-1990

(in thousands)
Seasonally Adjusted

Services

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1981	847	847	849	851	849	853	851	852	856	856	854	854
1982	855	855	857	856	856	858	856	855	858	859	861	861
1983	865	866	868	866	867	870	875	876	881	878	882	883
1984	888	890	890	892	899	905	907	913	912	917	922	924
1985	928	930	934	943	950	948	951	957	959	962	965	968
1986	976	978	981	992	997	998	1,005	1,009	1,010	1,016	1,021	1,025
1987	1,031	1,037	1,039	1,042	1,046	1,048	1,052	1,055	1,058	1,066	1,069	1,072
1988	1,070	1,074	1,079	1,087	1,091	1,098	1,099	1,103	1,108	1,111	1,115	1,122
1989	1,124	1,131	1,137	1,134	1,137	1,141	1,148	1,155	1,159	1,163	1,164	1,168
1990	1,171	1,175	1,181	1,181	1,187	1,195	1,199	1,204	1,207	1,213	1,215	1,218



Ohio Nonagricultural Wage and Salary Employment: 1981-1990

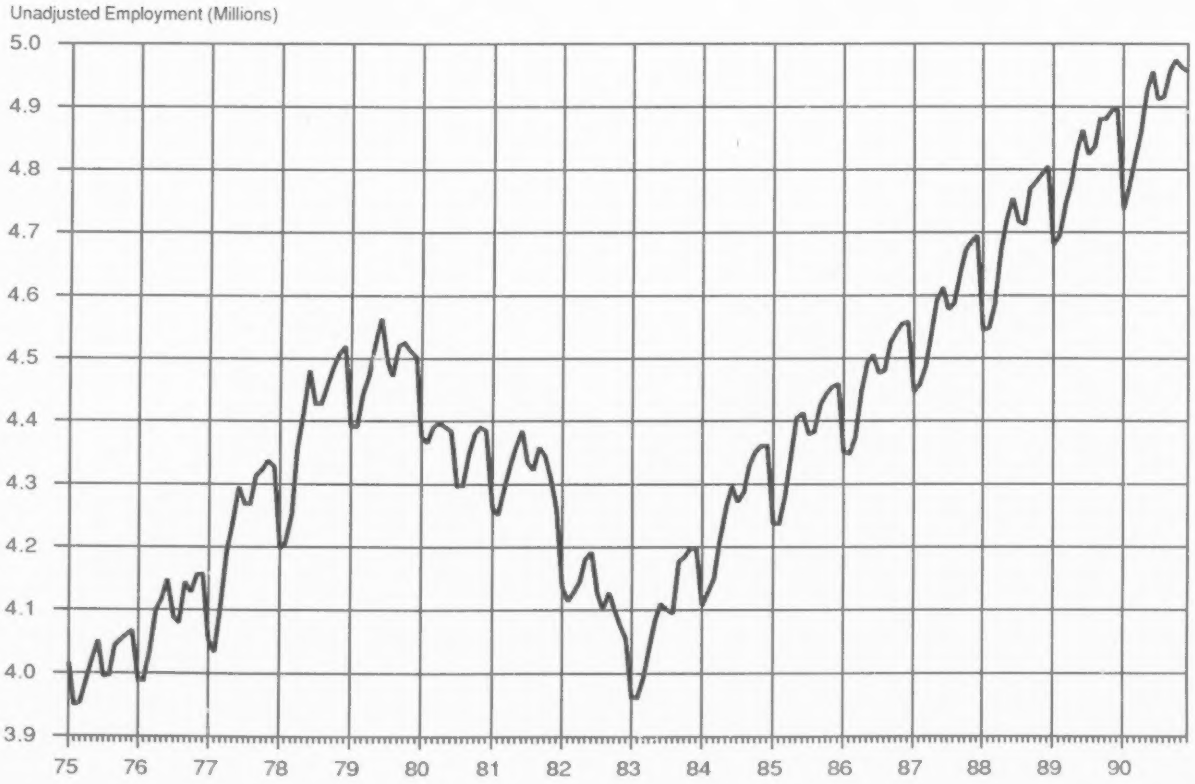
(in thousands)
Seasonally Adjusted

Government

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1981	693	687	686	682	681	680	674	672	662	667	665	664
1982	664	662	661	661	660	661	660	662	656	657	656	655
1983	657	657	657	656	655	650	657	657	662	655	655	654
1984	650	654	651	653	651	650	652	657	659	662	662	661
1985	652	658	661	663	664	662	669	670	671	670	671	673
1986	676	676	675	677	678	679	677	680	681	682	682	683
1987	687	685	686	687	687	688	687	688	685	688	690	691
1988	690	690	691	691	693	693	695	689	696	698	700	701
1989	700	700	703	703	706	708	707	706	708	711	710	714
1990	714	717	720	722	731	727	728	726	725	727	727	726

State of Ohio

Total Nonagricultural Employment



Nonagricultural Wage and Salary Employment in Ohio, By Industrial Division, Since 1939[a]

(in thousands)

Year	Nonagricultural Wage and Salary	Mining	Construction	Manufacturing	Transportation and Utilities	Wholesale and Retail Trade	Finance, Insurance, Real Estate	Services	Government
1939	1783.8	27.3	63.1	769.8	158.4	330.4	56.7	176.4	201.8
1940	1906.6	27.0	65.3	843.6	169.2	350.5	56.1	184.6	210.2
1941	2201.3	29.9	101.8	1039.4	186.8	370.9	60.4	192.6	219.4
1942	2411.3	32.2	99.3	1204.9	198.2	368.3	58.3	200.1	250.1
1943	2607.0	29.2	79.7	1390.1	204.7	360.3	56.0	201.6	285.4
1944	2558.0	27.9	59.3	1359.7	209.8	361.8	55.5	202.3	281.8
1945	2417.9	25.7	61.2	1218.2	207.1	358.9	56.9	209.8	280.1
1946	2532.1	27.6	101.6	1190.0	219.2	410.6	65.5	239.9	277.7
1947	2708.3	30.2	123.1	1269.3	227.6	457.3	69.2	259.5	272.1
1948	2785.5	31.1	134.6	1261.7	235.8	495.7	72.2	277.0	277.6
1949	2654.9	28.1	127.1	1142.2	217.5	503.7	73.6	274.8	287.8
1950	2760.0	27.9	134.1	1220.0	223.3	505.7	76.8	277.3	294.8
1951	2953.4	26.3	158.8	1339.5	236.6	523.8	79.4	283.0	306.0
1952	3005.7	24.4	161.4	1357.3	235.0	537.4	85.4	291.5	313.2
1953	3150.3	23.0	166.5	1446.9	240.1	557.2	89.3	303.1	324.3
1954	3028.4	20.7	184.0	1314.0	221.3	555.9	92.6	307.8	332.1
1955	3128.9	21.0	183.4	1370.6	223.8	571.2	96.3	318.5	344.1
1956	3219.7	22.1	184.8	1393.7	228.9	598.0	100.6	335.0	356.7
1957	3230.6	22.0	183.3	1370.9	226.4	609.4	104.9	346.9	366.9
1958	3007.2	20.1	162.8	1198.3	207.6	586.6	107.9	344.6	379.4
1959	3112.5	20.0	161.4	1264.5	208.5	603.3	111.8	356.2	386.7
1960	3147.3	19.9	152.2	1264.8	208.7	619.2	116.2	367.2	399.2
1961	3044.3	18.9	142.1	1183.2	198.5	601.3	119.2	368.7	412.5
1962	3099.2	18.8	137.9	1218.2	198.1	605.2	120.5	376.4	424.2
1963	3145.2	18.4	137.1	1236.6	197.1	611.3	122.6	390.3	431.7
1964	3216.3	19.6	141.3	1259.1	197.8	624.0	124.9	409.3	440.3
1965	3364.3	18.8	152.0	1326.0	202.3	647.6	127.0	432.1	458.6
1966	3537.3	18.4	162.0	1404.4	207.5	675.2	129.6	457.1	483.0
1967	3619.8	18.9	163.8	1401.4	209.0	697.3	135.3	484.6	509.5
1968	3750.8	18.9	175.5	1433.5	214.4	727.0	141.0	512.2	528.3
1969	3887.3	19.6	184.8	1471.0	221.0	759.0	146.0	541.2	544.8
1970	3880.7	20.6	164.2	1409.9	225.0	773.2	154.2	568.1	565.5
1971	3839.6	20.8	155.2	1333.8	223.8	782.8	158.6	587.4	577.2
1972	3938.4	22.7	165.1	1346.8	222.9	816.3	163.8	611.7	589.1
1973	4112.9	22.9	175.5	1426.3	224.9	852.6	169.0	643.9	597.8
1974	4169.4	24.2	172.3	1416.6	227.8	873.8	171.9	669.7	613.1
1975	4016.2	26.8	154.9	1267.5	213.2	868.0	173.1	686.3	626.4
1976	4094.6	28.2	154.2	1295.3	213.7	890.8	177.0	703.2	632.2
1977	4230.1	29.1	162.8	1344.1	219.1	917.8	183.4	731.4	642.3
1978	4394.9	29.0	176.6	1377.2	225.0	956.4	191.1	772.1	667.5
1979	4484.8	31.6	182.9	1382.3	232.1	975.2	200.6	806.2	674.0
1980	4367.4	30.7	167.4	1264.3	223.1	957.2	203.8	830.9	689.9
1981	4317.7	30.7	153.7	1232.6	217.2	950.1	205.8	851.6	676.0
1982	4124.3	30.3	134.6	1099.9	206.8	929.3	206.4	857.3	659.6
1983	4092.5	26.6	130.8	1066.0	198.5	933.5	207.8	873.3	656.1
1984	4260.2	27.8	144.8	1127.0	203.9	984.7	211.5	905.2	655.2
1985	4372.9	26.1	154.0	1124.2	202.7	1031.7	219.3	949.5	665.2
1986	4471.4	22.6	160.7	1109.8	203.4	1062.8	232.3	1001.0	678.9
1987	4582.6	20.9	176.4	1098.9	207.8	1096.3	243.8	1051.2	687.3
1988	4700.6	18.9	185.6	1110.6	212.1	1133.8	249.0	1096.8	693.8
1989	4817.4	17.9	193.6	1122.6	216.4	1161.1	252.4	1147.1	706.4
1990[b]	4895.8	17.6	198.5	1111.7	219.7	1173.6	254.9	1195.6	724.2

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics.

[b] Preliminary.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus, OH 43216 (2-26-91) RS 790.1-2
(March 1990 BM)

Proportion of Nonagricultural Wage and Salary Employees in Ohio, By Industrial Division, Since 1939[a]

(percent of Ohio total)

Year	Nonagricultural Wage and Salary	Mining	Construction	Manufacturing	Transportation and Utilities	Wholesale and Retail Trade	Finance, Insurance, Real Estate	Services	Government
1939	100	1.5	3.5	43.2	8.9	18.5	3.2	9.9	11.3
1940	100	1.4	3.4	44.2	8.9	18.4	2.9	9.7	11.0
1941	100	1.4	4.6	47.2	8.5	16.8	2.7	8.7	10.0
1942	100	1.3	4.1	50.0	8.2	15.3	2.4	8.3	10.4
1943	100	1.1	3.1	53.3	7.9	13.8	2.1	7.7	10.9
1944	100	1.1	2.3	53.2	8.2	14.1	2.2	7.9	11.0
1945	100	1.1	2.5	50.4	8.6	14.8	2.4	8.7	11.6
1946	100	1.1	4.0	47.0	8.7	16.2	2.6	9.5	11.0
1947	100	1.1	4.5	46.9	8.4	16.9	2.6	9.6	10.0
1948	100	1.1	4.8	45.3	8.5	17.8	2.6	9.9	10.0
1949	100	1.1	4.8	43.0	8.2	19.0	2.8	10.4	10.8
1950	100	1.0	4.9	44.2	8.1	18.3	2.8	10.0	10.7
1951	100	.9	5.4	45.4	8.0	17.7	2.7	9.6	10.4
1952	100	.8	5.4	45.2	7.8	17.9	2.8	9.7	10.4
1953	100	.7	5.3	45.9	7.6	17.7	2.8	9.6	10.3
1954	100	.7	6.1	43.4	7.3	18.4	3.1	10.2	11.0
1955	100	.7	5.9	43.8	7.2	18.3	3.1	10.2	11.0
1956	100	.7	5.7	43.3	7.1	18.6	3.1	10.4	11.1
1957	100	.7	5.7	42.4	7.0	18.9	3.2	10.7	11.4
1958	100	.7	5.4	39.8	6.9	19.5	3.6	11.5	12.6
1959	100	.6	5.2	40.6	6.7	19.4	3.6	11.4	12.4
1960	100	.6	4.8	40.2	6.6	19.7	3.7	11.7	12.7
1961	100	.6	4.7	38.9	6.5	19.8	3.9	12.1	13.5
1962	100	.6	4.4	39.3	6.4	19.5	3.9	12.1	13.7
1963	100	.6	4.4	39.3	6.3	19.4	3.9	12.4	13.7
1964	100	.6	4.4	39.1	6.1	19.4	3.9	12.7	13.7
1965	100	.6	4.5	39.4	6.0	19.2	3.8	12.8	13.6
1966	100	.5	4.6	39.7	5.9	19.1	3.7	12.9	13.7
1967	100	.5	4.5	38.7	5.8	19.3	3.7	13.4	14.1
1968	100	.5	4.7	38.2	5.7	19.4	3.8	13.7	14.1
1969	100	.5	4.8	37.8	5.7	19.5	3.8	13.9	14.0
1970	100	.5	4.2	36.3	5.8	19.9	4.0	14.6	14.6
1971	100	.5	4.0	34.7	5.8	20.4	4.1	15.3	15.0
1972	100	.6	4.2	34.2	5.7	20.7	4.2	15.5	15.0
1973	100	.6	4.3	34.7	5.5	20.7	4.1	15.7	14.5
1974	100	.6	4.1	34.0	5.5	21.0	4.1	16.1	14.7
1975	100	.7	3.9	31.6	5.3	21.6	4.3	17.1	15.6
1976	100	.7	3.8	31.6	5.2	21.8	4.3	17.2	15.4
1977	100	.7	3.8	31.8	5.2	21.7	4.3	17.3	15.2
1978	100	.7	4.0	31.3	5.1	21.8	4.3	17.6	15.2
1979	100	.7	4.1	30.8	5.2	21.7	4.5	18.0	15.0
1980	100	.7	3.8	28.9	5.1	21.9	4.7	19.0	15.8
1981	100	.7	3.6	28.5	5.0	22.0	4.8	19.7	15.7
1982	100	.7	3.3	26.7	5.0	22.5	5.0	20.8	16.0
1983	100	.6	3.2	26.0	4.8	22.8	5.1	21.3	16.0
1984	100	.7	3.4	26.5	4.8	23.1	5.0	21.2	15.4
1985	100	.6	3.5	25.7	4.6	23.6	5.0	21.7	15.2
1986	100	.5	3.6	24.8	4.5	23.8	5.2	22.4	15.2
1987	100	.5	3.8	24.0	4.5	23.9	5.3	22.9	15.0
1988	100	.4	3.9	23.6	4.5	24.1	5.3	23.3	14.8
1989	100	.4	4.0	23.3	4.5	24.1	5.2	23.8	14.7
1990[b]	100	.4	4.1	22.7	4.5	24.0	5.2	24.4	14.8

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics.

[b] Preliminary.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus, OH 43216 (2-26-91) RS 790.1-2.1
(March 1990 BM)

Nonagricultural Wage and Salary Employment in Ohio, Goods-Producing Industries, Since 1939[a]

Year	Employment (in thousands)				Goods-Producing as Percent of NAG Employment	Manufacturing as Percent of Goods-Producing Employment	Durable–Goods as Percent of Manufacturing Employment
	Nonagricultural Wage and Salary (NAG)	Goods–Producing	Manufacturing	Durable–Goods			
1939	1783.8	860.2	769.8	487.7	48.2	89.5	63.4
1940	1906.6	935.9	843.6	554.4	49.1	90.1	65.7
1941	2201.3	1171.1	1039.4	719.2	53.2	88.8	69.2
1942	2411.3	1336.4	1204.9	862.8	55.4	90.2	71.6
1943	2607.0	1499.0	1390.1	1039.2	57.5	92.7	74.8
1944	2558.0	1446.9	1359.7	1013.9	56.6	94.0	74.6
1945	2417.9	1305.1	1218.2	879.9	54.0	93.3	72.2
1946	2532.1	1319.2	1190.0	818.4	52.1	90.2	68.8
1947	2708.3	1422.6	1269.3	894.1	52.5	89.2	70.4
1948	2785.5	1427.4	1261.7	887.6	51.2	88.4	70.3
1949	2654.9	1297.4	1142.2	783.5	48.9	88.0	68.6
1950	2760.0	1382.0	1220.0	847.7	50.1	88.3	69.5
1951	2953.4	1524.6	1339.5	954.5	51.6	87.9	71.3
1952	3005.7	1543.1	1357.3	973.1	51.3	88.0	71.7
1953	3150.3	1636.4	1446.9	1052.0	51.9	88.4	72.7
1954	3028.4	1518.7	1314.0	937.1	50.1	86.5	71.3
1955	3128.9	1575.0	1370.6	980.0	50.3	87.0	71.5
1956	3219.7	1600.6	1393.7	1002.0	49.7	87.1	71.9
1957	3230.6	1576.2	1370.9	984.7	48.8	87.0	71.8
1958	3007.2	1381.2	1198.3	828.9	45.9	86.8	69.2
1959	3112.5	1445.9	1264.5	886.8	46.5	87.5	70.1
1960	3147.3	1436.9	1264.8	889.8	45.7	88.0	70.4
1961	3044.3	1344.2	1183.2	821.6	44.2	88.0	69.4
1962	3099.2	1374.9	1218.2	853.6	44.4	88.6	70.1
1963	3145.2	1392.1	1236.6	869.6	44.3	88.8	70.3
1964	3216.3	1420.0	1259.1	887.1	44.2	88.7	70.5
1965	3364.3	1496.8	1326.0	941.7	44.5	88.6	71.0
1966	3537.3	1584.8	1404.4	1004.7	44.8	88.6	71.5
1967	3619.8	1584.1	1401.4	998.6	43.8	88.5	71.3
1968	3750.8	1627.9	1433.5	1021.8	43.4	88.1	71.3
1969	3887.3	1675.4	1471.0	1052.7	43.1	87.8	71.6
1970	3880.7	1594.7	1409.9	1002.5	41.1	88.4	71.1
1971	3839.6	1509.8	1333.8	963.1	39.3	88.3	72.2
1972	3938.4	1534.6	1346.8	948.8	39.0	87.8	70.4
1973	4112.9	1624.7	1426.3	1018.2	39.5	87.8	71.4
1974	4169.4	1613.1	1416.6	1013.1	38.7	87.8	71.5
1975	4016.2	1449.2	1267.5	892.4	36.1	87.5	70.4
1976	4094.6	1477.7	1295.3	910.6	36.1	87.7	70.3
1977	4230.1	1536.0	1344.1	945.2	36.3	87.5	70.3
1978	4394.9	1582.8	1377.2	974.5	36.0	87.0	70.8
1979	4484.8	1596.8	1382.3	978.1	35.6	86.6	70.8
1980	4367.4	1462.4	1264.3	880.3	33.5	86.5	69.6
1981	4317.7	1417.0	1232.6	858.2	32.8	87.0	69.6
1982	4124.3	1264.8	1099.9	750.5	30.7	87.0	68.2
1983	4092.5	1223.4	1066.0	721.9	29.9	87.1	67.7
1984	4260.2	1299.7	1127.0	771.7	30.5	86.7	68.5
1985	4372.9	1304.3	1124.2	767.0	29.8	86.2	68.2
1986	4471.4	1293.1	1109.8	751.0	28.9	85.8	67.7
1987	4582.6	1296.2	1098.9	738.9	28.3	84.8	67.2
1988	4700.6	1315.1	1110.6	747.3	28.0	84.4	67.3
1989	4817.4	1334.1	1122.6	754.7	27.7	84.1	67.2
1990[b]	4895.8	1327.8	1111.7	743.3	27.1	83.7	66.9

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Includes full- and part-time wage and salaried workers employed during pay periods including the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals because of rounding. [b] Preliminary.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus, OH 43216 (2-26-91) RS 790.1-1
(March 1990 BM)

Ohio

Nonagricultural Wage and Salary Employment, 1990[a]

(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	4895.8	4738.1	4770.5	4819.8	4859.9	4925.3	4956.0	4912.3	4916.5	4958.1	4974.2	4962.8	4955.9
Goods-Producing Industries	1327.8	1273.4	1292.8	1305.5	1317.5	1334.0	1352.0	1347.3	1356.3	1357.5	1352.7	1331.3	1313.0
Mining	17.6	17.1	17.0	17.2	17.4	17.6	17.9	18.0	18.0	17.9	17.8	17.6	17.4
Coal Mining	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.8	6.8	6.8
Oil and Gas Extraction	5.8	5.9	5.7	5.7	5.7	5.8	5.9	6.0	6.0	6.0	5.9	5.8	5.9
Construction	198.5	171.6	170.7	178.6	188.4	199.1	207.4	214.5	217.8	216.4	213.6	207.6	195.7
General Building Contractors	47.5	43.8	43.4	44.6	45.6	47.2	49.3	50.4	50.9	50.3	49.1	48.7	47.2
Nonresidential Building Construction	24.7	23.3	22.9	23.5	23.6	24.4	25.4	25.8	26.0	26.0	25.5	25.4	24.7
Heavy Construction, Except Building	23.8	16.1	16.0	17.9	21.8	24.9	26.9	28.1	28.7	29.1	28.6	26.0	21.7
Highway and Street Construction	8.2	4.0	4.1	5.1	7.3	9.3	10.1	10.7	11.0	11.0	10.5	9.3	6.6
Special Trade Contractors	127.1	111.6	111.3	116.1	121.0	127.0	131.1	135.9	138.2	137.1	135.8	132.9	126.9
Manufacturing	1111.7	1084.7	1105.1	1109.7	1111.7	1117.2	1126.7	1114.8	1120.5	1123.2	1121.3	1106.1	1099.9
Durable Goods[c]	743.3	722.2	743.5	746.4	748.1	750.7	756.0	745.0	748.4	748.0	746.9	734.4	729.8
Lumber and Wood Products	21.6	20.4	20.5	21.3	21.6	21.9	22.0	22.1	21.9	22.0	22.1	21.9	21.5
Millwork, Plywood and Structural Members	9.9	9.5	9.2	9.7	9.9	10.2	10.2	10.2	10.0	9.9	10.0	10.0	9.8
Furniture and Fixtures	15.1	14.7	14.8	15.3	15.0	15.1	15.2	15.1	15.1	15.1	15.2	15.2	15.2
Stone, Clay, and Glass Products	45.6	44.9	44.6	45.4	46.1	46.0	46.5	46.2	46.3	46.1	46.0	45.4	43.8
Primary Metal Industries	100.1	98.1	99.6	99.8	99.3	100.3	101.7	99.4	100.5	101.9	101.2	99.8	99.7
Blast Furnace and Basic Steel Products	46.5	46.0	46.1	46.1	46.2	46.3	46.8	46.4	46.6	46.9	46.7	46.5	46.9
Iron and Steel Foundries	19.7	18.9	19.9	20.0	19.1	19.7	20.2	19.3	19.6	20.1	19.9	19.8	19.8
Nonferrous Rolling and Drawing	16.0	15.5	16.0	16.0	16.3	16.4	16.6	15.8	16.1	16.6	16.2	15.3	15.0
Nonferrous Foundries	10.6	10.5	10.5	10.6	10.4	10.5	10.7	10.4	10.6	10.7	10.7	10.6	10.5
Fabricated Metal Products	131.0	126.3	130.3	130.6	131.5	132.4	133.4	132.0	131.8	132.6	131.6	130.0	129.6
Fabricated Structural Metal Products	29.2	28.6	28.3	28.5	28.9	29.0	29.5	29.3	29.7	29.8	29.8	29.6	29.6
Metal Forgings and Stampings	37.6	33.8	37.3	37.6	38.0	38.3	38.5	38.1	37.8	38.4	38.2	37.4	37.3
Industrial Machinery and Equipment	165.2	165.8	166.3	166.3	165.8	166.0	166.7	166.3	165.0	164.5	163.7	162.7	163.5
Construction and Related Machinery	13.3	13.9	14.0	13.8	13.5	13.4	13.5	13.4	13.3	13.0	12.7	12.5	12.5
Metalworking Machinery	48.2	48.1	48.1	48.3	48.2	48.2	48.3	48.6	48.4	48.2	48.2	48.1	48.3
Special Industry Machinery	16.5	16.8	16.8	16.9	16.9	16.9	16.9	16.7	16.5	16.5	16.3	15.6	15.7
General Industrial Machinery	26.0	25.8	26.2	25.8	25.9	25.8	25.9	26.0	26.0	26.0	26.0	26.0	26.2
Computer and Office Equipment	11.1	11.0	11.1	11.1	11.1	11.1	11.3	11.5	11.3	11.1	10.8	10.8	10.7
Refrigeration and Service Machinery	15.7	16.0	15.8	15.9	16.0	16.2	16.4	15.9	15.3	15.3	15.2	15.0	15.4
Electronic and Other Electric Equipment	79.2	79.9	80.1	80.2	80.1	79.8	79.7	79.4	79.0	78.8	78.6	77.8	77.3
Electrical Industrial Apparatus	12.3	12.5	12.5	12.4	12.3	12.2	12.2	12.0	12.0	12.2	12.4	12.4	12.3
Household Appliances	15.6	15.8	15.8	15.9	16.2	15.9	15.9	15.8	15.7	15.3	15.3	14.9	14.7
Electric Lighting and Wiring Equipment	16.2	15.9	16.4	16.5	16.4	16.4	16.4	16.3	16.2	16.3	16.2	15.9	15.9
Electronic Components and Accessories	11.8	11.9	11.8	11.8	11.9	11.9	11.9	11.9	11.8	11.7	11.6	11.5	11.4

See footnotes at end of table.

Ohio
Nonagricultural Wage and Salary Employment, 1990[a] (continued)
(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Transportation Equipment	143.6	130.3	145.5	145.4	146.7	147.1	148.7	142.4	146.8	145.2	147.0	140.6	137.8
Motor Vehicles and Equipment	97.8	84.1	99.3	99.4	100.7	101.1	102.5	96.3	100.8	99.5	101.6	95.5	93.3
Aircraft and Parts	37.5	37.7	37.7	37.7	37.6	37.7	37.8	37.7	37.6	37.4	37.2	36.9	36.9
Instruments and Related Products	26.4	26.9	26.7	26.8	26.6	26.5	26.4	26.3	26.2	26.1	26.0	26.0	26.1
Measuring and Controlling Devices	15.5	15.9	15.9	15.9	15.8	15.7	15.6	15.6	15.5	15.3	15.2	15.1	15.1
Nondurable Goods[d]	368.5	362.4	361.6	363.3	363.6	366.4	370.7	369.9	372.2	375.2	374.4	371.7	370.1
Food and Kindred Products	61.9	61.0	59.4	60.1	60.3	61.0	61.8	61.9	62.7	65.3	64.3	62.6	62.6
Dairy Products	10.0	9.4	9.5	9.6	9.7	9.9	10.0	10.1	10.1	10.1	10.4	10.3	10.3
Preserved Fruits and Vegetables	10.8	10.8	10.2	10.5	10.2	10.3	10.5	10.4	10.9	13.2	12.0	10.4	10.6
Bakery Products	9.4	9.4	8.8	9.1	9.4	9.6	9.5	9.4	9.6	9.5	9.6	9.6	9.6
Apparel and Other Textile Products	14.8	14.3	14.6	14.8	14.6	14.8	14.9	14.7	14.8	15.0	15.1	15.0	14.6
Paper and Allied Products	37.6	37.5	37.2	37.2	36.9	36.9	37.5	37.7	37.8	37.9	37.8	38.4	38.4
Paperboard Containers and Boxes	13.5	13.5	13.4	13.4	13.2	13.2	13.4	13.3	13.5	13.7	13.8	14.0	13.9
Miscellaneous Converted Paper Products	12.2	12.1	12.0	12.1	12.2	12.2	12.3	12.3	12.1	12.1	12.1	12.2	12.2
Printing and Publishing	75.2	74.1	73.9	74.2	74.3	74.5	75.3	75.7	75.8	75.9	75.9	76.2	76.4
Newspapers	19.0	18.9	18.9	18.9	18.9	18.9	19.0	19.1	19.1	19.2	19.2	19.2	19.2
Commercial Printing	27.6	27.1	27.0	27.2	27.2	27.4	27.6	27.7	27.8	27.9	28.0	28.1	28.2
Chemicals and Allied Products	66.1	65.3	65.3	65.6	65.3	65.7	66.3	66.8	66.8	66.5	66.6	66.4	66.7
Plastics Materials and Synthetics	9.6	9.6	9.6	9.6	9.6	9.6	9.7	9.8	9.8	9.6	9.6	9.6	9.7
Rubber and Miscellaneous Plastics Products	94.0	92.3	92.9	93.1	93.7	94.5	95.7	93.8	94.9	95.4	95.4	94.2	92.6
Tires and Inner Tubes	14.7	14.6	14.6	14.6	14.7	14.7	14.7	14.7	14.7	14.7	14.9	15.0	14.9
Miscellaneous Plastics Products	57.5	55.6	56.5	56.6	57.1	57.7	58.5	57.2	58.1	58.8	58.8	57.8	56.7
Service-Producing Industries	3568.0	3464.8	3477.7	3514.3	3542.4	3591.3	3604.0	3565.0	3560.3	3600.6	3621.5	3631.6	3642.8
Transportation and Public Utilities	219.7	214.7	214.5	216.1	217.1	219.6	221.1	221.3	221.4	222.6	222.4	222.1	223.4
Transportation	127.6	122.9	122.7	124.2	125.2	127.7	128.5	128.6	129.2	130.6	130.4	130.3	131.5
Railroad Transportation	12.2	12.2	11.9	11.9	12.1	12.4	12.4	12.4	12.4	12.3	12.3	12.0	11.9
Trucking and Warehousing	75.8	72.6	72.9	73.7	74.1	75.1	75.8	76.4	76.8	77.4	77.5	78.0	78.9
Transportation by Air	14.4	13.9	14.0	14.2	14.1	14.1	14.4	14.3	14.5	14.7	14.6	14.7	14.9
Communications, Electric, Gas Services	92.1	91.9	91.8	91.9	91.9	92.0	92.6	92.6	92.2	92.0	92.0	91.8	91.9
Communications	48.5	48.5	48.6	48.6	48.5	48.5	48.5	48.4	48.2	48.4	43.5	48.3	48.3
Electric, Gas, and Sanitary Services	43.6	43.3	43.3	43.3	43.4	43.5	44.2	44.2	44.0	43.6	43.5	43.5	43.6
Wholesale Trade	262.8	257.9	257.5	259.2	260.9	262.5	264.6	265.6	265.2	264.4	265.1	265.2	265.9
Wholesale Trade-Durable Goods	164.1	161.6	161.5	162.6	162.9	163.8	165.0	165.8	165.5	165.0	165.3	165.1	165.2
Motor Vehicles, Parts, and Supplies	22.1	21.9	21.8	21.9	21.9	22.0	22.2	22.3	22.2	22.2	22.2	22.2	22.1
Professional and Commercial Equipment	32.2	32.0	32.0	32.1	32.0	32.1	32.1	32.3	32.4	32.3	32.3	32.3	32.3
Metals and Minerals, Except Petroleum	11.1	10.8	10.9	11.0	10.9	11.0	11.0	11.2	11.2	11.2	11.1	11.2	11.2
Electrical Goods	17.7	17.9	17.9	18.0	17.5	17.4	17.6	17.7	17.6	17.5	17.6	17.6	17.6
Hardware, Plumbing and Heating Equipment	12.4	12.4	12.4	12.4	12.3	12.4	12.5	12.6	12.5	12.4	12.5	12.5	12.4

See footnotes at end of table.

Ohio

Nonagricultural Wage and Salary Employment, 1990[a] (continued)

(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Machinery, Equipment, and Supplies	40.6	39.6	39.7	40.0	40.5	40.7	41.1	41.1	41.0	40.8	40.9	40.7	40.8
Wholesale Trade-Nondurable Goods	98.7	96.3	96.0	96.6	98.0	98.7	99.6	99.8	99.7	99.4	99.8	100.1	100.8
Groceries and Related Products	33.3	32.3	32.1	32.2	32.8	33.0	33.7	33.9	33.9	33.8	33.9	34.1	34.3
Retail Trade	910.8	889.0	878.0	886.9	896.7	910.4	920.0	917.8	922.2	919.6	917.8	928.9	941.7
Building Materials and Garden Supplies	34.5	31.3	31.1	32.8	34.5	36.3	37.0	36.1	35.8	35.3	34.7	34.5	34.4
Lumber and Other Building Materials	17.5	15.9	16.0	16.7	17.3	17.9	18.7	18.5	18.5	18.2	17.7	17.5	17.4
General Merchandise Stores	126.3	129.1	121.9	122.2	122.3	123.4	124.2	123.9	124.3	125.3	126.8	133.4	139.2
Department Stores	105.4	107.6	101.8	102.3	102.2	102.9	103.5	103.2	103.8	104.5	105.8	111.0	115.8
Variety Stores	10.2	10.1	9.8	9.7	9.8	10.1	10.2	10.2	10.3	10.3	10.4	10.8	11.0
Food Stores	140.4	138.1	137.2	137.1	138.6	139.4	141.6	141.8	141.6	140.6	140.9	143.0	145.0
Grocery Stores	124.4	122.9	122.2	122.0	122.7	123.4	125.5	125.8	125.5	124.6	124.7	126.3	127.6
Automotive Dealers and Service Stations	98.9	97.3	97.2	98.1	98.7	99.3	100.0	100.4	100.7	100.0	99.1	98.2	97.7
New and Used Car Dealers	42.0	41.7	41.7	42.1	42.0	42.2	42.3	42.5	42.5	42.3	41.8	41.5	41.2
Gasoline Service Stations	35.6	35.1	35.0	35.2	35.3	35.6	35.7	36.0	36.2	36.0	35.8	35.5	35.7
Apparel and Accessory Stores	49.6	50.7	48.4	48.2	48.1	48.1	48.0	48.1	49.4	49.7	50.3	52.1	54.3
Furniture and Homefurnishings Stores	31.2	31.2	30.7	30.8	30.8	30.8	30.8	30.9	31.1	31.2	31.5	32.1	32.8
Eating and Drinking Places	313.1	296.2	298.0	304.2	310.5	318.6	323.2	321.2	323.1	320.5	315.1	313.5	312.6
Miscellaneous Retail	116.7	115.1	113.6	113.4	113.2	114.4	115.2	115.4	116.2	117.0	119.4	122.1	125.7
Drug Stores and Proprietary Stores	30.9	30.8	30.6	30.7	30.6	30.6	30.8	30.7	30.6	30.8	31.1	31.4	31.8
Nonstore Retailers	22.6	21.9	21.9	21.8	21.5	22.0	22.3	22.5	22.8	22.9	23.4	23.9	24.2
Finance, Insurance, and Real Estate	254.9	250.7	251.1	252.3	252.6	254.2	257.3	258.5	258.4	256.4	255.7	255.4	255.8
Finance	121.0	120.3	120.1	120.6	120.2	120.6	121.4	122.0	122.1	121.2	121.0	121.1	121.3
Depository Institutions	89.9	89.6	89.4	89.5	89.3	89.7	90.6	90.8	90.8	90.0	89.8	89.8	89.9
Commercial Banks	63.9	63.1	63.1	63.2	63.2	63.5	64.3	64.7	64.7	64.2	64.1	64.2	64.3
Insurance	90.5	89.4	89.7	90.3	90.0	90.4	91.0	91.1	90.9	90.5	90.6	90.6	91.0
Insurance Carriers	68.9	68.2	68.3	68.7	68.6	68.9	69.5	69.5	69.2	68.8	68.8	68.9	69.1
Life Insurance	25.2	25.0	25.0	25.0	25.1	25.2	25.2	25.2	25.2	25.2	25.3	25.4	25.6
Fire, Marine, and Casualty Insurance	30.7	30.2	30.3	30.6	30.5	30.6	30.9	31.1	31.2	30.9	30.7	30.8	30.8
Real Estate	43.4	40.9	41.3	41.5	42.5	43.3	44.9	45.4	45.5	44.7	44.2	43.7	43.5
Services	1195.6	1136.6	1146.7	1161.5	1178.9	1194.3	1214.9	1217.6	1220.4	1227.2	1222.0	1214.9	1212.6
Hotels and Other Lodging Places	39.6	37.6	37.5	37.9	37.8	39.4	41.3	42.0	42.2	41.1	39.8	39.3	39.5
Personal Services	54.7	55.1	55.8	56.1	56.7	53.7	53.8	53.7	53.6	54.0	54.2	54.2	55.0
Business Services	217.6	201.5	202.5	205.1	210.5	216.2	219.6	223.4	225.5	227.2	227.4	226.1	225.5
Services to Buildings	33.9	32.6	33.0	33.1	33.8	34.2	34.4	34.4	34.8	34.5	34.3	34.0	33.7
Personnel Supply Services	75.3	65.6	66.0	67.6	71.2	75.5	76.4	78.7	80.3	81.7	81.1	80.2	79.2
Computer and Data Processing Services	27.6	26.1	26.3	26.4	27.1	27.2	27.7	28.1	28.3	28.4	28.5	28.6	28.9
Amusements, Including Motion Pictures	61.3	46.3	46.4	49.2	57.5	66.5	75.1	76.6	76.2	71.6	61.1	55.4	53.9

See footnotes at end of table.

Ohio
Nonagricultural Wage and Salary Employment, 1990[a] (continued)
(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Health Services	396.7	388.5	389.6	391.1	390.9	392.5	397.1	399.3	400.9	401.6	402.1	402.7	404.6
Nursing and Personal Care Facilities	85.7	83.8	84.2	84.3	84.7	85.1	85.9	86.2	86.7	86.9	86.6	86.7	87.0
Hospitals	190.7	188.5	189.0	189.2	188.1	188.6	190.7	191.7	192.1	192.4	192.3	192.5	193.0
Legal Services	29.1	28.2	28.4	28.4	28.6	28.8	29.6	29.8	29.7	29.3	29.4	29.5	29.7
Educational Services	63.2	64.5	68.0	68.5	66.7	63.0	58.0	51.4	50.4	62.2	68.6	70.0	67.6
Colleges and Universities	35.6	36.5	39.5	39.7	38.3	34.3	30.3	26.8	26.1	35.0	40.2	41.3	38.8
Social Services	79.7	77.2	77.9	78.6	78.8	79.1	79.1	79.4	79.6	81.0	81.6	81.9	82.5
Residential Care	23.4	22.5	22.7	22.8	23.1	23.3	23.5	23.9	24.0	23.8	23.8	23.8	24.0
Membership Organizations	78.7	76.5	77.1	78.3	78.3	78.7	80.5	79.9	80.3	78.9	78.6	78.4	78.8
Engineering and Management Services	90.8	87.9	89.0	90.3	89.5	89.5	90.9	91.8	92.4	91.8	92.2	92.3	92.7
Engineering and Architectural Services	28.4	27.3	27.5	27.8	27.7	28.0	28.7	28.9	29.0	28.9	28.9	28.9	29.0
Accounting, Auditing, and Bookkeeping	21.3	21.4	21.8	22.0	21.8	21.0	20.9	21.0	21.1	21.1	21.3	21.3	21.6
Research and Testing Services	19.3	18.5	18.8	19.0	18.9	19.1	19.6	19.8	19.9	19.3	19.4	19.4	19.3
Management and Public Relations	21.9	20.7	20.9	21.5	21.1	21.3	21.7	22.2	22.4	22.5	22.7	22.7	22.8
Government	724.2	715.8	730.0	738.3	736.1	750.3	726.1	684.2	672.5	710.4	738.5	745.0	743.4
Federal Government	98.0	96.9	96.5	97.7	99.9	107.7	100.9	100.4	96.7	95.1	94.8	94.7	95.1
U.S. Postal Service	33.7	34.2	33.9	34.0	33.9	33.8	33.9	33.9	33.7	33.2	33.2	33.2	33.8
State Government	162.8	158.5	167.3	170.4	169.4	169.1	160.0	144.3	144.1	154.5	170.8	173.6	171.6
State Government Hospitals	15.8	16.0	15.9	16.0	15.9	16.0	16.0	15.9	15.8	15.8	15.6	15.6	15.5
State Government Education[e]	85.1	82.7	91.5	93.3	91.8	91.5	79.7	64.7	64.3	76.1	94.0	96.7	94.7
Local Government	463.4	460.4	466.2	470.2	466.8	473.4	465.3	439.5	431.7	460.8	472.9	476.7	476.8
Local Government Hospitals	14.2	14.1	14.1	14.0	14.1	14.0	14.2	14.3	14.3	14.3	14.4	14.4	14.4
Local Government Education	267.4	271.5	277.1	279.7	274.8	278.1	261.3	231.5	227.5	263.8	278.4	282.3	282.9

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [c] Includes miscellaneous manufacturing industries. [d] Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [e] Includes State universities, State schools for the deaf and blind, and the State library. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [f] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-0 (1990)

Ohio

Nonagricultural Wage and Salary Employment, 1989[a]

(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	4817.4	4680.9	4696.4	4746.9	4777.8	4829.5	4863.5	4824.5	4837.4	4880.7	4881.6	4894.2	4896.1
Goods-Producing Industries	1334.1	1301.6	1297.2	1309.3	1321.0	1334.3	1352.8	1349.3	1362.6	1361.9	1345.8	1345.7	1327.1
Mining	17.9	17.7	17.6	17.7	17.8	17.8	18.2	16.6	18.6	18.7	18.7	18.0	17.7
Coal Mining	7.3	7.5	7.6	7.6	7.5	7.5	7.5	5.7[f]	7.5	7.6	7.5	7.1	7.0
Oil and Gas Extraction	5.8	6.0	5.8	5.7	5.5	5.4	5.6	5.9	6.0	5.9	6.0	5.9	6.0
Construction	193.6	165.0	161.2	169.0	181.7	191.5	202.1	212.0	215.9	214.7	211.1	205.4	193.0
General Building Contractors	46.7	42.8	42.1	43.1	45.0	45.7	47.9	49.6	50.2	49.9	48.7	48.3	47.1
Nonresidential Building Construction	24.4	22.8	22.3	22.7	23.5	23.7	24.5	25.4	25.9	26.0	25.7	25.5	24.8
Heavy Construction, Except Building	23.1	15.9	15.8	17.5	21.2	23.8	26.0	27.1	27.6	28.0	28.0	25.5	21.2
Highway and Street Construction	7.9	4.0	3.9	4.7	6.7	8.6	9.6	10.2	10.4	10.5	10.3	9.1	6.4
Special Trade Contractors	123.7	106.2	103.4	108.4	115.5	122.0	128.3	135.3	138.1	136.9	134.5	131.6	124.7
Manufacturing	1122.6	1118.9	1118.4	1122.6	1121.6	1125.0	1132.6	1120.7	1128.0	1128.5	1116.0	1122.3	1116.4
Durable Goods[c]	754.7	755.6	754.4	756.8	755.6	757.2	760.8	751.5	757.4	756.6	746.7	753.9	749.4
Lumber and Wood Products	22.0	21.7	21.6	21.7	21.5	22.1	22.3	22.3	22.5	22.6	22.6	22.0	21.8
Millwork, Plywood and Structural Members	9.9	9.7	9.6	9.7	9.7	10.0	10.1	10.2	10.3	10.1	10.0	9.8	9.8
Furniture and Fixtures	15.4	15.6	15.7	15.7	15.5	15.3	15.5	15.5	15.5	15.4	15.2	15.1	15.3
Stone, Clay, and Glass Products	45.9	44.7	44.8	45.3	45.4	45.7	46.4	46.7	46.8	46.7	46.2	46.0	46.0
Primary Metal Industries	102.4	103.1	102.9	102.8	103.2	103.4	103.3	101.1	102.6	103.3	100.2	101.8	100.3
Blast Furnace and Basic Steel Products	46.6	46.5	46.4	46.3	46.7	46.9	47.3	47.4	47.5	47.5	44.8[f]	46.4	45.9
Iron and Steel Foundries	20.5	20.9	20.9	20.9	20.8	20.9	20.8	19.5	20.4	20.3	20.2	20.2	19.7
Nonferrous Rolling and Drawing	17.2	17.8	17.6	17.5	17.6	17.4	17.1	16.5	16.7	17.3	17.1	17.1	16.7
Nonferrous Foundries	10.7	10.7	10.7	10.8	10.7	10.8	10.8	10.4	10.6	10.8	10.8	10.8	10.7
Fabricated Metal Products	135.6	137.3	136.9	137.3	136.4	136.7	136.6	134.7	134.8	135.0	134.0	133.9	133.4
Fabricated Structural Metal Products	30.0	29.9	29.6	29.8	29.8	30.1	30.3	30.3	30.3	30.3	30.2	29.8	29.7
Metal Forgings and Stampings	39.5	40.5	40.4	40.2	40.1	40.0	39.5	38.6	38.7	39.2	38.7	39.0	38.6
Industrial Machinery and Equipment	167.7	167.1	167.6	168.7	167.9	167.8	169.2	168.6	167.9	168.0	164.6	167.7	167.6
Construction and Related Machinery	14.1	14.1	13.8	13.8	13.9	14.0	14.2	14.2	14.3	14.1	14.1	14.1	14.2
Metalworking Machinery	48.3	47.3	47.4	47.9	48.0	48.0	48.5	48.4	48.6	48.5	48.9	48.9	49.2
Special Industry Machinery	17.1	16.9	17.2	17.4	17.1	17.0	17.0	17.0	17.0	17.1	17.0	17.3	17.0
General Industrial Machinery	26.0	26.2	26.4	26.5	26.2	26.3	26.5	26.7	26.1	26.0	23.0[f]	25.9	25.8
Computer and Office Equipment	11.4	11.9	11.8	11.9	11.4	11.3	11.4	11.5	11.2	11.3	11.2	11.2	11.1
Refrigeration and Service Machinery	16.5	16.4	16.4	16.3	16.4	16.5	16.8	16.9	16.8	16.8	16.4	16.3	16.0
Electronic and Other Electric Equipment	79.9	80.7	79.7	79.8	78.9	79.0	79.8	79.9	79.8	80.1	80.2	80.5	80.6
Electrical Industrial Apparatus	12.7	12.7	12.7	12.8	12.5	12.6	12.7	12.7	12.6	12.7	12.6	12.6	12.7
Household Appliances	15.4	16.0	15.3	15.2	14.9	14.9	15.3	15.3	15.4	15.4	15.4	15.6	15.5
Electric Lighting and Wiring Equipmen	16.6	16.7	16.7	16.6	16.6	16.6	16.6	16.7	16.5	16.5	16.6	16.6	16.6
Electronic Components and Accessories	11.5	11.4	11.4	11.5	11.4	11.4	11.4	11.5	11.4	11.5	11.8	11.8	11.8

See footnotes at end of table.

Ohio

Nonagricultural Wage and Salary Employment, 1989[a] (continued)
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Transportation Equipment	143.8	143.7	143.7	144.0	145.1	145.4	145.4	140.3	145.0	143.0	141.6	145.0	142.8
Motor Vehicles and Equipment	98.2	98.2	98.6	99.0	99.9	100.1	99.7	94.7	99.5	97.2	95.8	98.9	96.7
Aircraft and Parts	36.8	36.8	36.4	36.3	36.3	36.3	36.4	36.9	37.0	37.2	37.2	37.5	37.5
Instruments and Related Products	26.8	26.9	26.7	26.6	26.7	26.7	26.8	26.9	27.1	27.0	26.9	26.6	26.6
Measuring and Controlling Devices	16.3	16.5	16.4	16.3	16.2	16.2	16.3	16.3	16.5	16.4	16.2	15.9	15.8
Nondurable Goods[d]	367.9	363.4	364.1	365.8	366.0	367.7	371.7	369.2	370.7	371.9	369.3	368.4	367.0
Food and Kindred Products	62.9	61.8	61.2	61.5	61.8	62.4	63.5	63.7	64.7	66.1	63.6	62.4	61.9
Dairy Products	10.0	9.6	9.7	9.9	10.2	10.2	10.3	10.2	10.2	10.1	9.8	9.8	9.8
Preserved Fruits and Vegetables	11.0	10.8	10.3	10.3	10.4	10.6	10.7	10.7	11.9	13.4	11.7	10.7	10.3
Bakery Products	9.6	9.3	9.1	9.3	9.5	9.6	9.9	9.9	9.8	9.8	9.8	9.9	9.6
Apparel and Other Textile Products	15.4	15.4	15.6	15.7	15.6	15.3	15.1	15.4	15.5	15.5	15.2	15.2	14.8
Paper and Allied Products	37.4	37.2	37.2	37.2	37.3	37.4	37.6	37.6	37.7	37.5	37.6	37.5	37.5
Paperboard Containers and Boxes	13.5	13.3	13.3	13.3	13.3	13.4	13.5	13.5	13.5	13.6	13.6	13.6	13.6
Miscellaneous Converted Paper Products	12.1	12.1	12.1	12.2	12.1	12.1	12.2	12.2	12.2	12.1	12.0	12.0	12.0
Printing and Publishing	73.8	72.3	73.1	73.3	73.1	73.5	74.2	73.9	74.0	74.0	74.1	74.7	74.9
Newspapers	18.8	18.8	18.8	18.7	18.6	18.6	18.7	18.7	18.8	18.7	18.9	18.9	19.0
Commercial Printing	27.1	26.5	26.8	26.9	27.0	27.1	27.3	27.1	27.2	27.3	27.4	27.4	27.5
Chemicals and Allied Products	65.0	64.1	64.3	64.7	64.4	64.9	65.9	65.7	65.5	65.1	64.9	64.9	65.1
Plastics Materials and Synthetics	9.7	9.5	9.5	9.6	9.5	9.6	9.9	9.9	9.9	9.8	9.8	9.7	9.7
Rubber and Miscellaneous Plastics Products	95.5	95.1	95.4	96.0	96.1	96.2	97.1	94.5	94.8	95.4	95.3	95.3	94.6
Tires and Inner Tubes	15.0	14.6	14.6	15.3	15.5	15.6	15.7	14.8	14.8	14.8	14.9	14.9	14.9
Miscellaneous Plastics Products	57.7	57.6	57.8	57.8	57.8	57.8	58.4	57.1	57.4	58.0	57.7	57.7	57.1
Service-Producing Industries	3483.4	3379.3	3399.1	3437.6	3456.8	3495.2	3510.7	3475.2	3474.8	3518.7	3535.8	3548.4	3568.9
Transportation and Public Utilities	216.4	209.9	209.9	211.1	212.9	215.3	217.7	218.6	219.3	220.2	219.9	220.2	221.2
Transportation	125.3	120.2	120.2	121.5	123.0	124.9	126.2	126.2	126.9	128.3	128.1	128.6	129.4
Railroad Transportation	12.9	12.9	12.6	12.6	13.0	13.2	13.2	13.1	13.0	12.9	12.9	12.7	12.5
Trucking and Warehousing	75.2	72.2	72.7	73.3	73.9	74.7	75.3	75.6	76.0	76.7	76.6	77.1	78.1
Transportation by Air	13.2	12.8	12.8	12.9	12.8	12.9	13.1	13.0	13.3	13.5	13.5	13.6	13.8
Communications, Electric, Gas Services	91.1	89.7	89.7	89.7	89.9	90.5	91.5	92.4	92.5	92.0	91.8	91.6	91.8
Communications	48.0	47.4	47.5	47.4	47.5	47.7	47.9	48.4	48.4	48.5	48.4	48.3	48.5
Electric, Gas, and Sanitary Services	43.1	42.3	42.3	42.3	42.4	42.7	43.6	44.0	44.0	43.5	43.4	43.3	43.4
Wholesale Trade	261.0	258.2	258.5	260.4	259.5	261.0	263.1	263.7	262.9	261.2	261.7	261.2	260.9
Wholesale Trade-Durable Goods	164.8	163.9	164.3	165.5	164.8	165.4	166.2	166.6	165.8	164.7	164.3	163.5	163.0
Motor Vehicles, Parts, and Supplies	22.5	22.6	22.5	22.6	22.7	22.7	22.8	22.6	22.6	22.4	22.4	22.3	22.1
Professional and Commercial Equipment	31.9	31.4	31.6	31.7	31.8	31.9	32.0	32.1	32.2	32.1	32.0	31.9	31.9
Metals and Minerals, Except Petroleum	11.1	11.3	11.3	11.4	11.0	11.0	11.0	11.3	11.0	11.1	11.0	10.9	10.9
Electrical Goods	18.2	18.3	18.3	18.3	18.3	18.2	18.4	18.1	18.2	18.1	18.1	18.1	18.2
Hardware, Plumbing and Heating Equipment	12.5	12.3	12.3	12.4	12.5	12.6	12.6	12.8	12.7	12.6	12.5	12.6	12.6

See footnotes at end of table.

Ohio

Nonagricultural Wage and Salary Employment, 1989[a] (continued)

(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Machinery, Equipment, and Supplies	40.6	40.6	40.9	41.3	40.7	40.9	41.2	41.0	40.7	40.3	40.3	39.8	39.6
Wholesale Trade-Nondurable Goods	96.2	94.3	94.2	94.9	94.7	95.6	96.9	97.1	97.0	96.5	97.4	97.7	97.9
Groceries and Related Products	31.8	31.0	30.9	31.3	31.2	31.4	31.9	32.2	32.3	32.1	32.2	32.4	32.5
Retail Trade	900.1	868.9	864.6	877.8	885.8	898.7	908.0	906.9	911.1	910.3	908.3	922.1	939.1
Building Materials and Garden Supplies	34.0	31.1	31.1	32.7	34.4	36.1	36.5	35.4	35.1	34.8	33.6	33.6	33.9
Lumber and Other Building Materials	17.1	15.9	16.0	16.7	17.0	17.7	18.2	17.8	17.8	17.8	16.9	16.9	16.9
General Merchandise Stores	125.6	120.7	119.6	122.2	121.9	122.0	122.8	123.0	124.0	125.4	127.4	135.4	142.7
Department Stores	102.9	96.8	96.4	98.8	99.1	99.4	100.7	101.0	102.2	103.6	105.5	112.2	118.5
Variety Stores	12.3	13.7	13.5	13.6	13.0	12.6	12.0	11.9	11.6	11.4	11.2	11.5	11.5
Food Stores	139.2	136.4	135.5	136.4	137.4	138.8	140.3	140.4	140.2	139.5	139.7	141.5	144.2
Grocery Stores	123.0	120.8	120.0	120.5	121.7	122.7	123.9	124.0	124.0	123.4	123.4	124.9	126.3
Automotive Dealers and Service Stations	98.3	96.0	95.9	96.6	97.5	99.1	99.8	99.9	100.5	100.0	99.0	98.1	97.6
New and Used Car Dealers	43.3	43.1	43.0	43.4	43.5	43.8	43.9	43.7	43.8	43.6	43.1	42.7	42.4
Gasoline Service Stations	33.9	32.6	32.5	32.6	32.9	33.8	34.2	34.6	34.8	35.0	34.7	34.6	34.8
Apparel and Accessory Stores	49.1	47.2	45.8	46.4	46.4	47.0	47.4	47.9	49.8	50.8	51.2	53.5	56.1
Furniture and Homefurnishings Stores	31.1	31.4	31.0	31.1	31.0	30.8	30.8	30.9	30.9	30.8	30.9	31.5	32.1
Eating and Drinking Places	308.9	294.2	294.9	300.8	306.4	313.7	318.2	317.1	317.5	315.2	310.4	309.0	308.9
Miscellaneous Retail	113.9	111.9	110.7	111.5	110.7	111.3	112.1	112.4	113.0	113.8	116.0	119.5	123.7
Drug Stores and Proprietary Stores	30.9	29.6	29.6	29.7	30.1	30.2	30.6	31.0	31.1	31.4	31.9	32.3	32.8
Nonstore Retailers	21.4	21.5	21.7	21.7	20.8	20.8	21.1	20.8	20.9	21.1	21.6	22.2	22.6
Finance, Insurance, and Real Estate	252.4	247.9	248.3	249.8	249.4	251.2	254.3	255.5	256.0	255.1	253.6	253.6	254.2
Finance	119.8	118.0	118.2	119.0	118.5	119.1	120.2	120.5	120.9	120.7	120.4	120.7	121.2
Depository Institutions	90.5	89.7	89.6	90.1	89.6	90.1	91.1	91.1	91.2	90.9	90.6	90.6	91.1
Commercial Banks	63.3	62.1	62.1	62.7	62.6	62.9	63.8	63.9	64.0	63.9	63.7	63.7	64.1
Insurance	90.7	90.0	90.2	90.4	90.3	90.3	91.0	91.4	91.3	91.1	90.6	90.7	91.0
Insurance Carriers	69.5	69.3	69.4	69.4	69.4	69.4	69.8	70.0	70.0	69.9	69.1	69.3	69.5
Life Insurance	25.8	25.8	25.8	25.8	25.9	25.8	26.0	25.8	25.8	25.8	25.7	25.8	25.9
Fire, Marine, and Casualty Insurance	30.4	30.3	30.2	30.2	30.2	30.2	30.5	30.8	30.8	30.8	30.3	30.4	30.4
Real Estate	41.9	39.9	39.9	40.5	40.6	41.8	43.0	43.6	43.8	43.3	42.6	42.2	42.0
Services	1147.1	1092.4	1104.6	1118.2	1132.4	1144.4	1160.6	1165.7	1170.0	1178.1	1171.2	1164.5	1162.6
Hotels and Other Lodging Places	38.6	35.7	36.3	37.3	37.0	38.5	39.9	41.0	41.3	40.1	38.8	38.5	38.6
Personal Services	53.7	53.9	54.5	55.1	55.2	52.5	52.7	52.8	52.7	53.4	53.5	53.4	54.3
Business Services	205.0	192.6	194.1	197.7	198.5	201.4	203.9	209.0	211.9	213.8	213.0	212.2	211.5
Services to Buildings	32.0	30.4	31.1	31.4	31.8	32.2	32.2	32.3	32.8	32.6	32.6	32.2	32.3
Personnel Supply Services	71.0	63.4	63.9	66.5	67.8	69.4	70.3	73.3	74.8	76.6	76.0	75.3	74.2
Computer and Data Processing Services	25.3	24.1	24.3	24.6	24.8	25.1	25.2	25.9	25.9	25.9	25.9	26.1	26.3
Amusements, Including Motion Pictures	58.4	43.5	44.0	46.9	55.3	63.9	72.6	72.5	71.9	68.1	58.4	52.8	51.1

See footnotes at end of table.

Ohio

Nonagricultural Wage and Salary Employment, 1989[a] (continued)

(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Health Services	384.6	376.4	377.7	379.3	380.0	381.4	385.1	388.6	390.1	389.9	388.0	388.2	389.9
Nursing and Personal Care Facilities	83.0	81.5	81.8	82.1	82.1	82.6	83.3	83.7	84.1	84.0	83.4	83.5	83.7
Hospitals	187.2	184.5	184.8	185.4	185.8	186.1	187.7	189.5	189.9	189.4	187.7	187.6	187.9
Legal Services	28.4	27.7	27.8	28.0	27.8	28.1	29.0	29.1	29.1	28.7	28.5	28.5	28.6
Educational Services	62.6	63.0	68.1	66.9	66.5	62.9	56.1	50.4	49.2	61.8	68.9	69.8	67.4
Colleges and Universities	35.2	35.4	40.0	38.7	38.7	34.9	28.9	25.6	24.8	34.5	40.5	41.2	38.7
Social Services	73.7	70.8	71.4	71.9	71.9	72.6	72.9	73.0	73.7	75.3	76.2	76.6	77.8
Residential Care	22.1	21.4	21.5	21.7	21.7	21.8	22.0	22.5	22.6	22.4	22.4	22.4	22.7
Membership Organizations	77.9	75.7	76.4	77.1	77.7	78.2	79.7	79.1	79.7	78.0	77.8	77.4	77.8
Engineering and Management Services	86.4	83.8	84.9	85.2	84.8	84.6	85.9	87.2	87.8	87.7	87.9	88.1	89.0
Engineering and Architectural Services	26.4	25.2	25.3	25.4	25.6	25.9	26.5	26.8	27.0	27.0	27.1	27.1	27.5
Accounting, Auditing, and Bookkeeping	21.2	21.5	22.0	21.9	21.6	20.8	20.8	20.9	20.9	20.9	21.1	21.1	21.3
Research and Testing Services	19.0	18.3	18.4	18.5	18.5	18.7	19.1	19.3	19.5	19.2	19.3	19.5	19.5
Management and Public Relations	19.8	18.8	19.1	19.4	19.1	19.1	19.5	20.2	20.4	20.6	20.4	20.5	20.6
Government	706.4	702.0	713.2	720.3	716.8	724.5	707.0	664.7	655.5	693.8	721.2	726.7	730.9
Federal Government	96.8	95.5	95.3	95.5	96.4	97.0	97.9	97.7	98.3	97.2	96.7	96.3	97.6
U.S. Postal Service	34.6	35.1	34.9	34.9	34.9	34.8	34.9	34.6	34.4	34.3	34.1	34.1	34.7
State Government	157.9	156.4	160.3	165.9	165.2	164.3	154.1	140.7	138.7	149.4	164.7	166.5	169.2
State Government Hospitals	15.8	15.5	15.6	15.6	15.6	15.6	15.7	15.9	15.9	15.9	16.0	15.9	16.1
State Government Education[e]	82.2	82.6	86.5	91.0	89.6	88.9	77.1	62.3	61.1	73.1	89.6	91.6	93.5
Local Government	451.7	450.1	457.6	459.0	455.2	463.2	455.1	426.3	418.5	447.2	459.8	463.9	464.1
Local Government Hospitals	14.1	14.4	14.3	14.3	12.1[f]	14.3	14.3	14.3	14.3	14.3	14.2	14.2	14.2
Local Government Education	261.7	266.3	273.8	274.5	271.7	274.5	256.2	225.3	219.4	257.2	271.2	275.2	275.1

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [c] Includes miscellaneous manufacturing industries. [d] Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [e] Includes State universities, State schools for the deaf and blind, and the State library. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [f] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-0 (1989)

Ohio

Average Hourly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Goods-Producing Industries	$13.14	$12.67	$12.80	$12.97	$12.91	$13.15	$13.21	$13.16	$13.21	$13.41	$13.39	$13.39	$13.35
Mining	14.00	14.05	13.88	13.94	13.99	14.05	14.00	13.85	13.93	14.04	14.25	14.09	13.91
Coal Mining	17.03	16.89	16.77	16.98	17.00	17.00	17.05	16.97	17.03	17.16	17.43	17.11	17.03
Construction	15.86	15.60	15.58	15.81	15.52	15.76	15.68	15.92	15.84	16.00	16.10	16.16	16.13
General Building Contractors	13.82	13.90	13.68	13.69	13.55	13.75	13.73	13.78	13.75	13.91	13.81	14.11	14.14
Heavy Construction, Except Building	16.29	15.15	14.87	15.25	15.56	16.14	16.28	16.20	16.51	17.06	16.93	17.12	16.43
Special Trade Contractors	16.40	16.24	16.32	16.58	16.14	16.30	16.16	16.51	16.31	16.38	16.58	16.59	16.67
Manufacturing	12.64	12.19	12.38	12.51	12.46	12.67	12.74	12.61	12.66	12.89	12.85	12.83	12.84
Durable Goods[b]	13.03	12.45	12.71	12.87	12.81	13.06	13.16	12.98	13.05	13.36	13.32	13.25	13.26
Lumber and Wood Products	8.13	8.23	8.11	8.24	8.15	8.13	8.09	8.05	8.14	8.09	8.08	8.14	8.15
Millwork, Plywood and Structural Members	8.75	8.58	8.38	8.75	8.82	8.76	8.73	8.73	8.82	8.79	8.84	8.85	8.92
Furniture and Fixtures	9.40	9.27	9.33	9.22	9.14	9.26	9.26	9.35	9.56	9.59	9.54	9.58	9.68
Stone, Clay, and Glass Products	11.51	11.33	11.30	11.38	11.48	11.53	11.53	11.52	11.57	11.66	11.61	11.59	11.65
Primary Metal Industries	14.55	14.04	14.12	14.32	14.53	14.64	14.77	14.48	14.57	14.95	14.81	14.72	14.57
Blast Furnace and Basic Steel Products	14.63	14.36	14.32	14.40	14.55	14.59	14.66	14.48	14.65	14.98	14.87	14.92	14.73
Iron and Steel Foundries	15.55	14.57	14.76	15.34	15.91	15.95	16.12	15.37	15.40	16.11	16.00	15.63	15.27
Nonferrous Rolling and Drawing	16.25	15.55	15.69	15.92	15.99	16.36	16.69	16.46	16.49	16.67	16.24	16.37	16.48
Nonferrous Foundries	10.67	10.46	10.51	10.61	10.51	10.78	10.78	10.80	10.72	10.73	10.80	10.66	10.70
Fabricated Metal Products	12.38	11.86	12.15	12.17	12.01	12.36	12.44	12.27	12.44	12.71	12.75	12.64	12.68
Fabricated Structural Metal Products	11.26	10.98	11.01	10.98	10.98	11.45	11.39	11.18	11.35	11.48	11.46	11.57	11.16
Metal Forgings and Stampings	15.19	14.37	14.85	14.91	14.61	15.02	15.18	14.90	15.20	15.74	15.87	15.67	15.80
Industrial Machinery and Equipment	12.58	12.21	12.29	12.37	12.25	12.59	12.62	12.61	12.67	12.87	12.84	12.83	12.80
Construction and Related Machinery	11.32	11.19	11.38	11.26	11.17	11.53	11.46	11.33	11.30	11.34	11.27	11.20	11.37
Metalworking Machinery	12.05	11.88	11.95	11.96	11.89	12.08	12.09	11.98	12.02	12.17	12.18	12.21	12.21
Special Industry Machinery	11.87	11.91	11.97	11.89	11.54	11.77	11.82	11.66	11.92	11.99	11.76	12.07	12.15
General Industrial Machinery	13.86	12.79	13.24	13.52	13.16	13.89	14.02	14.08	14.02	14.46	14.56	14.35	13.93
Computer and Office Equipment	11.37	11.13	11.09	11.22	11.42	11.18	11.45	11.42	11.45	11.29	11.51	11.58	11.78
Refrigeration and Service Machinery	14.34	13.76	13.65	13.83	13.87	14.40	14.31	14.28	14.44	15.18	14.99	14.69	14.76
Electronic and Other Electric Equipment	11.32	11.04	11.20	11.17	11.00	11.22	11.24	11.28	11.40	11.54	11.53	11.59	11.63
Electrical Industrial Apparatus	10.72	10.51	10.56	10.61	10.36	10.71	10.76	10.89	10.81	10.95	10.85	10.79	10.87
Household Appliances	12.15	12.11	12.34	12.07	11.91	12.05	12.09	12.08	12.16	12.32	12.26	12.22	12.22
Electric Lighting and Wiring Equipment	12.07	11.27	11.81	12.04	11.83	12.06	12.06	11.97	12.37	12.48	12.35	12.41	12.18
Electronic Components and Accessories	8.30	8.25	8.17	8.12	8.03	8.30	8.28	8.37	8.16	8.45	8.43	8.54	8.51
Transportation Equipment	16.37	15.56	15.74	16.18	16.04	16.35	16.60	16.35	16.28	16.83	16.79	16.77	16.85
Motor Vehicles and Equipment	16.86	16.02	16.10	16.63	16.49	16.84	17.14	16.86	16.74	17.40	17.33	17.28	17.32
Aircraft and Parts	15.21	14.77	15.07	15.08	14.95	15.03	14.99	15.14	15.25	15.31	15.43	15.77	15.73
Instruments and Related Products	9.81	9.58	9.61	9.75	9.60	9.71	9.78	9.82	9.90	10.01	9.90	10.02	10.05
Measuring and Controlling Devices	9.77	9.55	9.52	9.67	9.60	9.63	9.66	9.82	9.85	10.04	9.90	9.98	10.09
Nondurable Goods[c]	11.76	11.62	11.59	11.66	11.66	11.74	11.78	11.77	11.76	11.84	11.80	11.90	11.93
Food and Kindred Products	11.33	11.32	11.11	11.15	11.03	11.24	11.37	11.35	11.43	11.35	11.24	11.57	11.73
Dairy Products	11.34	11.32	11.36	11.29	11.25	11.28	11.29	11.26	11.30	11.43	11.38	11.37	11.56
Preserved Fruits and Vegetables	12.08	12.11	11.91	11.85	11.62	11.99	12.18	11.96	12.40	11.71	11.68	12.62	12.99
Bakery Products	12.40	12.36	12.34	12.35	12.33	12.39	12.41	12.45	12.32	12.46	12.31	12.51	12.62
Apparel and Other Textile Products	7.95	7.95	7.81	7.98	8.04	7.97	7.87	7.81	7.76	8.18	8.10	7.98	7.96
Paper and Allied Products	11.76	11.62	11.55	11.61	11.62	11.68	11.69	11.77	11.76	11.89	11.91	11.94	12.04
Paperboard Containers and Boxes	10.50	10.41	10.23	10.31	10.19	10.53	10.55	10.56	10.52	10.77	10.66	10.60	10.58

See footnotes at end of table.

Ohio

Average Hourly Earnings of Production or Nonsupervisory Workers, 1990[a] (continued)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Miscellaneous Converted Paper Products	$10.99	$10.57	$10.75	$10.92	$10.53	$10.87	$10.92	$11.05	$11.11	$11.09	$11.31	$11.32	$11.38
Printing and Publishing	11.89	11.75	11.81	11.84	11.69	11.82	11.81	11.86	11.86	12.04	12.05	12.06	12.10
Newspapers	11.45	11.53	11.45	11.68	11.34	11.45	11.28	11.32	11.30	11.34	11.51	11.56	11.59
Commercial Printing	11.63	11.42	11.58	11.64	11.35	11.45	11.55	11.59	11.55	11.86	11.80	11.84	11.82
Chemicals and Allied Products	14.15	14.01	13.86	14.07	14.13	14.13	14.19	14.13	14.18	14.24	14.26	14.30	14.26
Plastics Materials and Synthetics	15.51	15.42	15.20	15.40	15.70	15.32	15.19	15.26	15.52	15.79	15.94	15.72	15.65
Rubber and Miscellaneous Plastics Products	10.85	10.63	10.75	10.75	10.70	10.92	10.96	10.97	10.87	10.99	10.94	10.88	10.81
Tires and Inner Tubes	16.03	15.76	15.85	15.89	15.46	16.27	16.08	16.10	16.19	16.18	16.08	16.24	16.26
Miscellaneous Plastics Products	10.52	10.27	10.42	10.42	10.47	10.58	10.68	10.68	10.56	10.68	10.62	10.47	10.41
Service-Producing Industries	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	14.93	14.61	14.84	14.72	14.90	14.78	14.85	14.98	14.91	15.13	15.08	15.18	15.22
Communications	14.36	14.07	14.18	14.09	14.32	14.16	14.31	14.36	14.35	14.48	14.45	14.67	14.82
Electric, Gas, and Sanitary Services	15.54	15.17	15.51	15.36	15.50	15.43	15.41	15.63	15.50	15.82	15.75	15.74	15.69
Wholesale Trade	10.67	10.49	10.54	10.55	10.56	10.61	10.66	10.67	10.72	10.77	10.78	10.80	10.83
Wholesale Trade-Durable Goods	10.53	10.33	10.37	10.40	10.41	10.49	10.55	10.54	10.60	10.65	10.69	10.67	10.70
Motor Vehicles, Parts, and Supplies	9.32	9.23	9.28	9.38	9.42	9.40	9.53	9.43	9.27	9.24	9.28	9.21	9.22
Metals and Minerals, Except Petroleum	11.29	11.35	11.42	11.31	11.20	11.22	11.36	11.34	11.18	11.25	11.30	11.25	11.34
Wholesale Trade-Nondurable Goods	10.89	10.77	10.83	10.81	10.81	10.83	10.85	10.88	10.93	10.99	10.93	11.01	11.05
Retail Trade[d]	6.39	6.30	6.32	6.33	6.36	6.35	6.36	6.36	6.39	6.44	6.46	6.51	6.51
General Merchandise Stores	6.79	6.67	6.70	6.74	6.71	6.72	6.78	6.79	6.79	6.87	6.89	6.85	6.90
Department Stores	6.90	6.80	6.84	6.86	6.81	6.82	6.91	6.90	6.90	6.99	7.01	6.98	7.00
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Business Services	7.52	7.21	7.30	7.24	7.39	7.35	7.43	7.52	7.61	7.63	7.70	7.82	7.89
Health Services	9.94	9.83	9.79	9.80	9.83	9.86	9.91	9.98	9.97	10.04	10.10	10.09	10.11
Nursing and Personal Care Facilities	6.68	6.51	6.53	6.53	6.58	6.59	6.64	6.73	6.69	6.81	6.80	6.87	6.88
Hospitals	11.42	11.33	11.26	11.26	11.32	11.34	11.40	11.48	11.44	11.53	11.56	11.52	11.54
Engineering and Management Services	13.72	13.50	13.71	13.73	13.98	13.70	13.65	13.70	13.66	13.72	13.71	13.72	13.85
Engineering and Architectural Services	20.44	20.42	20.70	20.88	21.00	20.58	20.34	20.48	20.27	20.47	20.01	20.02	20.22
Research and Testing Services	10.67	10.50	10.52	10.52	10.56	10.55	10.62	10.83	10.80	10.78	10.64	10.72	10.94

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes miscellaneous manufacturing industries. [c] Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [d] Money payments only; tips not included. [f] Depressed due to labor-management disputes during part of pay period. [g] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-4-0 (1990)

Ohio

Average Weekly Hours of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Goods-Producing Industries	42.0	41.6	41.5	41.9	40.9	42.3	42.5	41.7	42.1	42.7	42.0	42.4	41.9
Mining	44.6	45.8	44.3	45.1	44.0	44.7	45.3	43.8	44.8	44.6	45.7	44.5	42.7
Coal Mining	44.0	46.9	45.4	45.0	44.5	43.8	43.6	41.7	42.7	42.4	45.5	43.6	42.6
Construction	39.4	38.9	38.3	39.4	37.8	39.6	39.6	38.7	40.4	40.3	38.8	40.7	39.9
General Building Contractors	40.1	39.9	40.1	40.5	38.9	40.8	40.7	39.5	40.0	41.1	38.8	40.7	40.4
Heavy Construction, Except Building	40.1	38.2	36.3	37.3	36.0	39.6	41.1	38.3	43.4	43.5	40.2	42.5	41.0
Special Trade Contractors	39.0	38.7	38.0	39.4	37.7	39.2	39.0	38.6	39.9	39.3	38.5	40.3	39.6
Manufacturing	42.4	42.0	41.9	42.3	41.5	42.8	43.0	42.2	42.4	43.2	42.6	42.7	42.3
Durable Goods[b]	42.7	42.1	42.2	42.6	41.7	43.2	43.4	42.4	42.6	43.5	42.9	42.9	42.4
Lumber and Wood Products	38.9	39.2	38.6	39.7	38.2	38.3	38.6	38.7	39.1	38.7	38.5	39.4	39.3
Millwork, Plywood and Structural Members	41.5	41.2	40.6	41.9	40.8	40.5	41.1	41.2	41.9	41.7	41.6	42.4	42.7
Furniture and Fixtures	41.7	40.8	41.5	41.0	39.9	41.1	41.7	41.5	43.0	42.7	42.0	42.6	43.2
Stone, Clay, and Glass Products	42.6	41.8	42.2	42.6	43.1	43.0	43.2	42.8	42.8	43.0	42.4	42.0	41.8
Primary Metal Industries	44.3	43.1	42.6	43.2	43.8	44.9	45.5	44.5	44.6	45.8	45.0	44.9	44.2
Blast Furnace and Basic Steel Products	45.5	43.3	43.1	43.2	44.8	45.5	46.3	46.0	46.0	47.3	46.6	47.3	46.9
Iron and Steel Foundries	44.0	43.6	42.4	44.5	44.1	45.2	45.9	42.9	43.9	46.3	45.1	43.0	41.4
Nonferrous Rolling and Drawing	41.3	40.8	40.2	40.1	41.4	42.8	42.7	41.9	41.2	43.0	41.3	40.4	39.9
Nonferrous Foundries	43.8	43.7	42.8	44.4	42.2	44.9	45.6	44.1	44.3	43.6	43.2	43.8	43.4
Fabricated Metal Products	42.0	41.3	41.6	42.1	41.1	43.0	42.9	41.3	42.2	42.8	42.3	42.0	41.2
Fabricated Structural Metal Products	42.6	41.6	41.5	42.1	41.3	44.2	43.3	42.0	43.0	43.1	43.3	44.3	41.6
Metal Forgings and Stampings	42.6	40.6	42.1	42.7	41.3	44.1	44.2	41.8	43.1	44.2	43.0	42.1	41.4
Industrial Machinery and Equipment	43.2	42.6	43.3	43.3	41.6	43.5	43.5	42.8	43.1	43.7	43.5	43.6	43.4
Construction and Related Machinery	40.2	41.6	41.4	39.9	39.3	40.1	40.4	39.1	39.4	40.1	40.2	40.1	40.2
Metalworking Machinery	43.8	43.6	44.4	44.4	42.5	43.9	44.2	43.1	43.8	43.9	44.1	44.3	43.5
Special Industry Machinery	43.8	43.9	44.0	44.2	42.2	43.8	44.4	43.0	43.7	44.3	43.4	44.6	44.5
General Industrial Machinery	44.1	41.0	42.1	43.0	40.7	44.4	45.0	44.8	44.5	46.4	46.2	46.2	44.9
Computer and Office Equipment	41.8	41.3	41.7	42.3	43.0	41.1	41.9	41.8	41.9	41.2	40.9	42.4	41.9
Refrigeration and Service Machinery	40.9	39.2	39.9	40.0	40.0	42.6	41.6	41.9	41.0	42.9	41.5	39.7	40.9
Electronic and Other Electric Equipment	41.0	41.6	41.5	41.0	39.8	40.7	40.8	40.5	40.8	41.4	41.0	41.4	41.7
Electrical Industrial Apparatus	42.1	43.2	42.4	42.1	40.2	41.5	42.2	43.0	41.7	42.9	42.1	41.8	42.5
Household Appliances	40.0	41.0	41.8	40.3	39.6	39.6	39.5	39.1	40.0	40.3	39.6	39.0	39.7
Electric Lighting and Wiring Equipment	40.0	40.6	40.0	41.0	39.0	39.9	39.9	39.4	40.4	40.3	40.1	40.0	39.0
Electronic Components and Accessories	41.1	41.1	41.5	40.8	40.2	41.1	41.7	40.5	40.5	41.9	40.7	41.7	41.5
Transportation Equipment	44.1	43.1	43.4	44.4	43.1	45.4	45.7	44.2	43.4	45.6	44.1	43.9	42.5
Motor Vehicles and Equipment	44.3	43.1	43.5	44.8	43.5	46.1	46.5	44.5	43.4	45.9	44.1	43.6	41.9
Aircraft and Parts	44.4	44.0	44.8	44.4	42.4	44.0	44.2	44.3	43.9	44.8	44.6	46.0	45.8
Instruments and Related Products	40.0	40.1	39.3	40.1	38.7	39.7	[illegible]	40.2	40.0	40.1	39.6	40.9	41.2
Measuring and Controlling Devices	39.0	39.6	38.9	39.4	37.9	38.8	38.7	39.4	38.3	38.9	38.4	39.0	40.3
Nondurable Goods[c]	41.9	41.8	41.3	41.5	41.0	42.0	42.2	41.8	42.0	42.6	42.1	42.3	42.0
Food and Kindred Products	42.1	42.1	40.9	41.1	40.4	41.8	41.9	41.9	42.5	43.4	42.3	43.3	43.3
Dairy Products	43.1	43.7	43.3	43.3	42.4	43.1	42.9	43.3	43.0	43.4	43.2	42.4	43.0
Preserved Fruits and Vegetables	41.8	42.3	41.0	40.0	39.0	40.1	40.6	39.5	43.2	44.9	41.9	44.2	44.6
Bakery Products	40.3	39.2	39.2	39.8	39.2	40.7	40.3	40.6	40.4	40.8	40.6	41.5	41.0
Apparel and Other Textile Products	39.3	38.0	38.1	38.5	37.9	39.7	38.3	39.1	39.7	42.1	41.4	40.1	39.1
Paper and Allied Products	44.2	44.3	43.5	43.5	42.5	44.1	44.3	44.6	44.4	45.2	44.8	45.0	44.1
Paperboard Containers and Boxes	43.6	43.2	42.1	42.2	40.5	43.9	44.3	44.6	44.2	45.6	45.0	44.4	42.9

See footnotes at end of table.

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Ohio

Average Weekly Hours of Production or Nonsupervisory Workers, 1990[a] (continued)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Miscellaneous Converted Paper Products	43.9	44.4	44.4	44.7	40.6	43.3	43.7	43.8	44.1	44.1	44.4	45.3	44.1
Printing and Publishing	40.0	40.0	39.9	39.9	39.2	39.4	39.6	39.6	39.8	40.5	40.2	40.7	40.8
Newspapers	33.5	33.7	33.3	34.2	33.2	33.5	33.3	33.0	33.4	33.2	33.4	34.1	33.4
Commercial Printing	41.6	41.5	41.7	41.4	40.3	40.1	40.8	40.7	41.2	43.1	42.4	42.8	43.2
Chemicals and Allied Products	43.1	43.0	42.3	43.1	43.2	43.1	43.8	42.8	43.2	43.2	43.0	43.1	43.1
Plastics Materials and Synthetics	43.9	43.6	43.6	43.7	45.0	43.9	43.7	43.5	43.5	43.8	44.8	43.6	43.6
Rubber and Miscellaneous Plastics Products	41.6	41.6	41.2	41.5	40.6	42.2	42.7	41.8	41.6	42.0	41.7	41.0	41.0
Tires and Inner Tubes	44.5	45.0	45.4	45.5	42.4	47.6	46.1	45.0	44.0	44.3	42.8	43.1	43.1
Miscellaneous Plastics Products	41.2	41.0	40.7	41.0	40.5	41.7	42.4	41.4	41.3	41.6	41.4	40.4	40.7
Service-Producing Industries	....	....	....	....	....	....	....	....	....	....	....	....	....
Transportation and Public Utilities	....	....	....	....	....	....	....	....	....	....	....	....	....
Communications, Electric, Gas Services	42.0	42.1	42.1	42.0	41.9	41.7	42.0	42.0	41.6	42.1	41.8	42.5	42.3
Communications	40.1	39.9	39.4	39.5	39.7	39.5	40.0	40.3	39.9	40.3	39.9	41.3	42.0
Electric, Gas, and Sanitary Services	44.2	44.7	45.3	44.9	44.4	44.3	44.2	44.0	43.5	44.3	44.0	43.9	42.7
Wholesale Trade	39.1	39.1	39.0	39.1	39.0	39.2	39.0	39.1	39.1	39.2	39.1	39.3	39.2
Wholesale Trade-Durable Goods	39.2	39.1	39.1	39.3	39.0	39.2	39.0	39.2	39.3	39.3	39.1	39.2	39.1
Motor Vehicles, Parts, and Supplies	38.0	38.8	38.0	37.7	37.2	37.6	37.9	38.1	37.3	37.8	38.0	38.2	38.9
Metals and Minerals, Except Petroleum	41.8	41.8	42.2	42.2	41.0	42.1	41.2	41.1	42.4	42.2	41.6	42.5	40.9
Wholesale Trade-Nondurable Goods	39.1	39.1	38.9	38.7	39.1	39.1	39.1	39.0	38.8	39.0	39.1	39.4	39.4
Retail Trade	28.0	27.6	27.5	27.6	28.0	28.1	28.2	28.4	28.2	28.0	27.7	27.6	28.5
General Merchandise Stores	28.6	28.2	27.6	28.0	28.3	28.6	28.4	28.8	28.7	28.5	28.4	28.0	31.2
Department Stores	28.7	28.2	27.6	28.2	28.3	28.7	28.5	29.1	28.8	28.6	28.4	28.0	31.6
Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Business Services	32.9	32.2	32.4	32.7	32.2	32.8	33.1	32.9	33.0	33.0	33.2	33.3	33.3
Health Services	31.7	31.8	31.4	31.6	31.7	31.6	31.7	31.9	31.8	31.8	31.8	31.9	31.8
Nursing and Personal Care Facilities	31.8	31.7	31.3	31.7	31.8	31.6	31.9	32.1	31.9	31.9	31.8	32.1	32.3
Hospitals	32.5	32.7	32.2	32.4	32.4	32.2	32.4	32.7	32.6	32.5	32.6	32.7	32.5
Engineering and Management Services	35.6	35.4	35.8	36.1	35.9	35.4	35.2	35.4	35.3	35.2	36.0	35.8	35.8
Engineering and Architectural Services	33.4	32.6	32.9	33.3	32.9	33.2	33.1	32.6	32.7	32.5	35.1	35.0	34.7
Research and Testing Services	36.4	36.2	36.9	37.0	36.1	35.6	35.6	36.7	37.3	36.4	36.3	36.0	36.2

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes miscellaneous manufacturing industries. [c] Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [f] Depressed due to labor-management disputes during part of pay period. [g] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-3-0 (1990)

Ohio

Average Weekly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Goods-Producing Industries	$551.88	$527.07	$531.20	$543.44	$528.02	$556.25	$561.43	$548.77	$556.14	$572.61	$562.38	$567.74	$559.37
Mining	624.40	643.49	614.88	628.69	615.56	628.04	634.20	606.63	624.06	626.18	651.23	627.01	593.96
Coal Mining	749.32	792.14	761.36	764.10	756.50	744.60	743.38	707.65	727.18	727.58	793.07	746.00	725.48
Construction	624.88	606.84	596.71	622.91	586.66	624.10	620.93	616.10	639.94	644.80	624.68	657.71	643.59
General Building Contractors	554.18	554.61	548.57	554.45	527.10	561.00	558.81	544.31	550.00	571.70	535.83	574.28	571.26
Heavy Construction, Except Building	653.23	578.73	539.78	568.83	560.16	639.14	669.11	620.46	716.53	742.11	680.59	727.60	673.63
Special Trade Contractors	639.60	628.49	620.16	653.25	608.48	638.96	630.24	637.29	650.77	643.73	638.33	668.58	660.13
Manufacturing	535.94	511.98	518.72	529.17	517.09	542.28	547.82	532.14	536.78	556.85	547.41	547.84	543.13
Durable Goods[b]	556.38	524.15	536.36	548.26	534.18	564.19	571.14	550.35	555.93	581.16	571.43	568.43	562.22
Lumber and Wood Products	316.26	322.62	313.05	327.13	311.33	311.38	312.27	311.54	318.27	313.08	311.08	320.72	320.30
Millwork, Plywood and Structural Members	363.13	353.50	340.23	366.63	359.86	354.78	358.80	359.68	369.56	366.54	367.74	375.24	380.88
Furniture and Fixtures	391.98	378.22	387.20	378.02	364.69	380.59	386.14	388.03	411.08	409.49	400.68	408.11	418.18
Stone, Clay, and Glass Products	490.33	473.59	476.86	484.79	494.79	495.79	498.10	493.06	495.20	501.38	492.26	486.78	486.97
Primary Metal Industries	644.57	605.12	601.51	618.62	636.41	657.34	672.04	644.36	649.82	684.71	666.45	660.93	643.39
Blast Furnace and Basic Steel Products	665.67	621.79	617.19	622.08	651.84	663.85	678.76	666.08	673.90	708.55	692.94	705.72	690.84
Iron and Steel Foundries	684.20	635.25	625.82	682.63	701.63	720.94	739.91	659.37	676.06	745.89	721.60	672.09	632.18
Nonferrous Rolling and Drawing	671.13	634.44	630.74	638.39	661.99	700.21	712.66	689.67	679.39	716.81	670.71	661.35	657.55
Nonferrous Foundries	467.35	457.10	449.83	471.08	443.52	484.02	491.57	476.28	474.90	467.83	466.56	466.91	464.38
Fabricated Metal Products	519.96	489.82	505.44	512.36	493.61	531.48	533.08	506.75	524.97	543.99	539.33	530.88	522.42
Fabricated Structural Metal Products	479.68	456.77	456.92	462.26	453.47	506.09	493.19	469.56	488.05	494.79	496.22	512.55	464.26
Metal Forgings and Stampings	647.09	583.42	625.19	636.66	603.39	662.38	670.96	622.82	655.12	695.71	682.41	659.71	654.12
Industrial Machinery and Equipment	543.46	520.15	532.16	535.62	509.60	547.67	548.97	539.71	546.08	562.42	558.54	559.39	555.52
Construction and Related Machinery	455.06	465.50	471.13	449.27	438.98	462.35	462.98	443.00	445.22	454.73	453.05	449.12	457.07
Metalworking Machinery	527.79	517.97	530.58	531.02	505.33	530.31	534.38	516.34	526.48	534.26	537.14	540.90	531.14
Special Industry Machinery	519.91	522.85	526.68	525.54	486.99	515.53	524.81	501.38	520.90	531.16	510.38	538.32	540.68
General Industrial Machinery	611.23	524.39	557.40	581.36	535.61	616.72	630.90	630.78	623.89	670.94	672.67	662.97	625.46
Computer and Office Equipment	475.27	459.67	462.45	474.61	491.06	459.50	479.76	477.36	479.76	465.15	470.76	490.99	493.58
Refrigeration and Service Machinery	586.51	539.39	544.64	553.20	554.80	613.44	595.30	598.33	592.04	651.22	622.09	583.19	603.68
Electronic and Other Electric Equipment	464.12	459.26	464.80	457.97	437.80	456.65	458.59	456.84	465.12	477.76	472.73	479.83	484.97
Electrical Industrial Apparatus	451.31	454.03	447.74	446.68	416.47	444.47	454.07	468.27	450.78	469.76	456.79	451.02	461.98
Household Appliances	486.00	496.51	515.81	486.42	471.64	477.18	477.56	472.33	486.40	496.50	485.50	476.58	485.13
Electric Lighting and Wiring Equipment	482.80	457.56	472.40	493.64	461.37	481.19	481.19	471.62	499.75	502.94	495.24	496.40	475.02
Electronic Components and Accessories	341.13	339.08	339.06	331.30	322.81	341.13	345.28	338.99	330.48	354.06	343.10	356.12	353.17
Transportation Equipment	721.92	670.64	683.12	718.39	691.32	742.29	758.62	722.67	706.55	767.45	740.44	736.20	716.13
Motor Vehicles and Equipment	746.90	690.46	700.35	745.02	717.32	776.32	797.01	750.27	726.52	798.66	764.25	753.41	725.71
Aircraft and Parts	675.32	649.88	675.14	669.55	633.88	661.32	662.56	670.70	669.48	685.89	688.18	725.42	720.43
Instruments and Related Products	392.40	384.16	377.67	390.98	371.52	385.49	390.22	394.76	396.00	401.40	392.04	409.82	414.06
Measuring and Controlling Devices	381.03	378.18	370.33	381.00	363.84	373.64	373.84	386.91	377.26	390.56	380.16	389.22	406.63
Nondurable Goods[c]	492.74	485.72	478.67	483.89	478.06	493.08	497.12	491.99	493.92	504.38	496.78	503.37	501.06
Food and Kindred Products	476.99	476.57	454.40	458.27	445.61	469.83	476.40	475.57	485.78	492.59	475.45	500.98	507.91
Dairy Products	488.75	494.68	491.89	488.86	477.00	486.17	484.34	487.56	485.90	496.06	491.62	482.09	497.08
Preserved Fruits and Vegetables	504.94	512.25	488.31	474.00	453.18	480.80	494.51	472.42	535.68	525.78	489.39	557.80	579.35
Bakery Products	499.72	484.51	483.73	491.53	483.34	504.27	500.12	505.47	497.73	508.37	499.79	519.17	517.42
Apparel and Other Textile Products	312.44	302.10	297.56	307.23	304.72	316.41	301.42	305.37	308.07	344.38	335.34	320.00	311.24
Paper and Allied Products	519.79	514.77	502.43	505.04	493.85	515.09	517.87	524.94	522.14	537.43	533.57	537.30	530.96
Paperboard Containers and Boxes	457.80	449.71	430.68	435.08	412.70	462.27	467.37	470.98	464.98	491.11	479.70	470.64	453.88

See footnotes at end of table.

Ohio

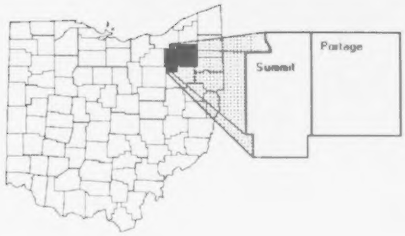
Average Weekly Earnings of Production or Nonsupervisory Workers, 1990[a] (continued)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Miscellaneous Converted Paper Products	$482.46	$469.31	$477.30	$488.12	$427.52	$470.67	$477.20	$483.99	$489.95	$489.07	$502.16	$512.80	$501.86
Printing and Publishing	475.60	470.00	471.22	472.42	458.25	465.71	467.68	469.66	472.03	487.62	484.41	490.84	493.68
Newspapers	383.58	388.56	381.29	399.46	376.49	383.58	375.62	373.56	377.42	376.49	384.43	394.20	387.11
Commercial Printing	483.81	473.93	482.89	481.90	457.41	459.15	471.24	471.71	475.86	511.17	500.32	506.75	510.62
Chemicals and Allied Products	609.87	602.43	586.28	606.42	610.42	609.00	621.52	604.76	612.58	615.17	613.18	616.33	614.61
Plastics Materials and Synthetics	680.89	672.31	662.72	672.98	706.50	672.55	663.80	663.81	675.12	691.60	714.11	685.39	682.34
Rubber and Miscellaneous Plastics Products	451.36	442.21	442.90	446.13	434.42	460.82	467.99	458.55	452.19	461.58	456.20	446.08	443.21
Tires and Inner Tubes	713.34	709.20	719.59	723.00	655.50	774.45	741.29	724.50	712.36	716.77	688.22	699.94	700.81
Miscellaneous Plastics Products	433.42	421.07	424.09	427.22	424.04	441.19	452.83	442.15	436.13	444.29	439.67	422.99	423.69
Service-Producing Industries	......	......	......	......	......	......	......	......	......	......	......	......	......
Transportation and Public Utilities	......	......	......	......	......	......	......	......	......	......	......	......	......
Communications, Electric, Gas Services	627.06	615.08	624.76	618.24	624.31	616.33	623.70	629.16	620.26	636.97	630.34	645.15	643.81
Communications	575.84	561.39	558.69	556.56	568.50	559.32	572.40	578.71	572.57	583.54	576.56	605.87	622.44
Electric, Gas, and Sanitary Services	686.87	678.10	702.60	689.66	688.20	683.55	681.12	687.72	674.25	700.83	693.00	690.99	669.96
Wholesale Trade	417.20	410.16	411.06	412.51	411.84	415.91	415.74	417.20	419.15	422.18	421.50	424.44	424.54
Wholesale Trade-Durable Goods	412.78	403.90	405.47	408.72	405.99	411.21	411.45	413.17	416.58	418.55	417.98	418.26	418.37
Motor Vehicles, Parts, and Supplies	354.16	358.12	352.64	353.63	350.42	353.44	361.19	359.28	345.77	349.27	352.64	351.82	358.66
Metals and Minerals, Except Petroleum	471.92	474.43	481.92	477.28	459.20	472.36	468.03	466.07	474.03	474.75	470.08	478.13	463.81
Wholesale Trade-Nondurable Goods	425.80	421.11	421.29	418.35	422.67	423.45	424.24	424.32	424.08	428.61	427.36	433.79	435.37
Retail Trade[d]	178.92	173.88	173.80	174.71	178.08	178.44	179.35	180.62	180.20	180.32	178.94	179.68	185.54
General Merchandise Stores	194.19	188.09	184.92	188.72	189.89	192.19	192.55	195.55	194.87	195.80	195.68	191.80	215.28
Department Stores	198.03	191.76	188.78	193.45	192.72	195.73	196.94	200.79	198.72	199.91	199.08	195.44	221.20
Finance, Insurance, and Real Estate	351.94	347.53	352.64	351.87	353.02	352.67	350.81	350.02	350.07	351.03	352.72	354.35	356.38
Finance	325.35	323.09	325.81	327.16	326.51	325.28	324.40	324.11	323.64	323.80	325.08	325.71	329.67
Depository Institutions	277.57	278.28	279.61	280.40	279.42	277.74	277.00	276.85	275.87	275.84	275.90	275.92	278.05
Commercial Banks	273.40	277.10	278.05	277.42	276.89	274.23	273.15	271.75	270.67	269.87	270.48	269.28	272.10
Insurance	418.22	410.14	417.21	415.12	417.87	419.52	418.39	418.39	417.21	418.62	419.94	421.31	424.77
Insurance Carriers	406.17	400.39	402.64	402.03	406.28	407.07	407.06	406.24	404.00	407.91	407.63	409.96	412.78
Life Insurance	377.21	369.57	370.75	368.63	381.98	383.56	384.54	379.74	374.96	376.86	375.63	377.51	382.44
Fire, Marine, and Casuallty Insurance	438.08	429.15	435.58	436.09	435.29	435.56	434.54	435.73	437.14	440.45	442.21	446.19	449.05
Services	......	......	......	......	......	......	......	......	......	......	......	......	......
Business Services	247.41	232.16	236.52	236.75	237.96	241.08	245.93	247.41	251.13	251.79	255.64	260.41	262.74
Health Services	315.10	312.59	307.41	309.68	311.61	311.58	314.15	318.36	317.05	319.27	321.18	321.87	321.50
Nursing and Personal Care Facilities	212.42	206.37	204.39	207.00	209.24	208.24	211.82	216.03	213.41	217.24	216.24	220.53	222.22
Hospitals	371.15	370.49	362.57	364.82	366.77	365.15	369.36	375.40	372.94	374.73	376.86	376.70	375.05
Engineering and Management Services	488.43	477.90	490.82	495.65	501.88	484.98	480.48	484.98	482.20	482.94	493.56	491.18	495.83
Engineering and Architectural Services	682.70	665.69	681.03	695.30	690.90	683.26	673.25	667.65	662.83	665.28	702.35	700.70	701.63
Research and Testing Services	388.39	380.10	388.19	389.24	381.22	375.58	378.07	397.46	402.84	392.39	386.23	385.92	396.03

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes miscellaneous manufacturing industries. [c] Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [d] Money payments only; tips not included. [f] Depressed due to labor-management disputes during part of pay period. [g] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-2-0 (1990)

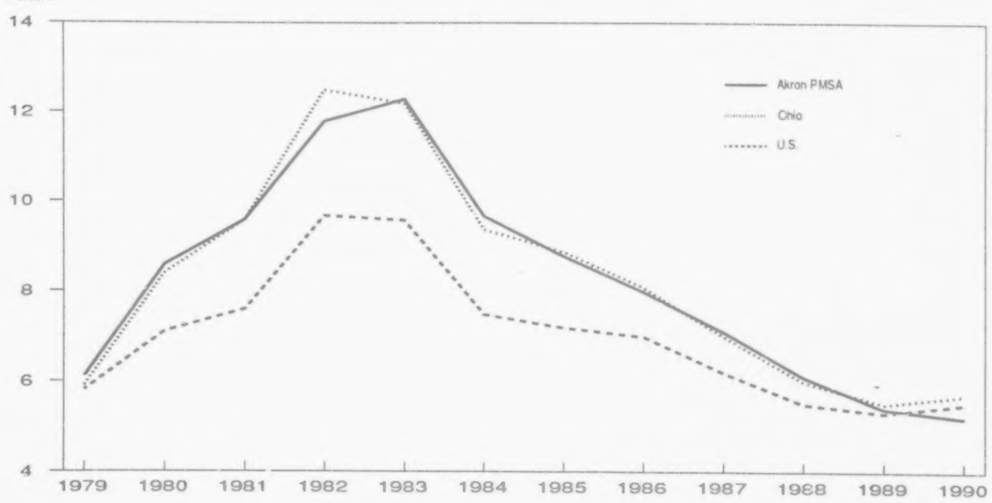
Akron
Primary Metropolitan Statistical Area



Based on place of residence, the estimated annual average civilian labor force in the Akron metropolitan area rose 700 from 1989 to 332,300 in 1990. Total employment, at 314,900, gained 1,200 jobs over the year, while unemployment declined 500. The unemployment rate decreased from 5.4 percent in 1989 to 5.2 percent in 1990.

Nonagricultural wage and salary employment advanced 5,000 above the 1989 level to 285,900 in 1990, a growth rate of 1.8 percent. The number of people employed in service-producing industries increased 4,900 to 207,800. Leading areas of expansion were services, primarily health, business, and social services, and state and local schools and colleges. Modest gains were posted in transportation and public utilities and in finance, insurance, and real estate. Employment in retail trade and wholesale trade declined over the year. Goods-producing industries, at 78,100, was virtually unchanged. Growth in construction employment counterbalanced scattered cutbacks in manufacturing. Noteworthy reductions occurred in fabricated metal products, transportation equipment, and rubber and miscellaneous plastics products.

Akron PMSA, Ohio and U.S. Unemployment Rates



Akron PMSA
Civilian Labor Force and Nonagricultural Wage and Salary Employment[a]
(Employed and Unemployed in Thousands)

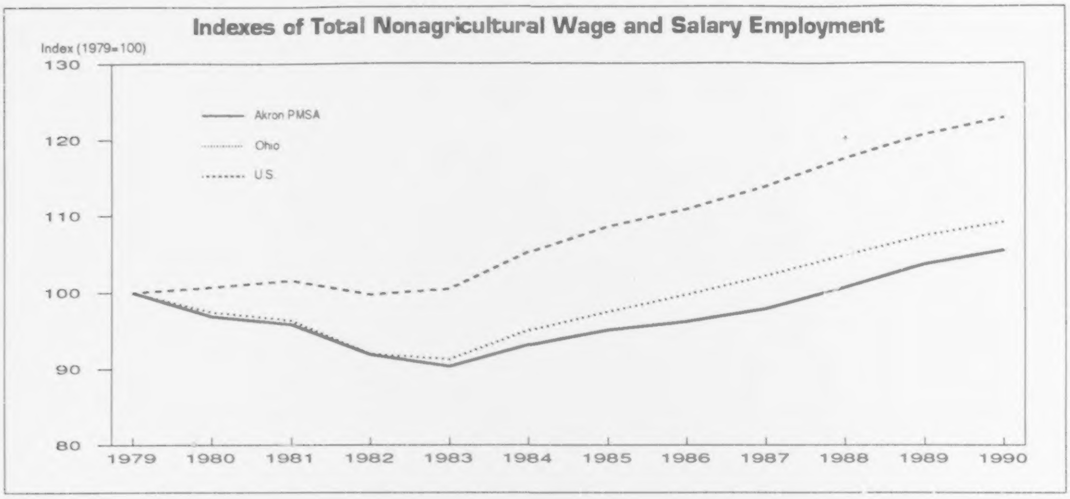
Civilian Labor Force	Employment	Unemployment	Unemployment Rates[b]				Nonagricultural Wage and Salary Employment		
			PMSA	Ohio	U.S.			Goods-Producing Industries	Service-Producing Industries
303.8	285.4	18.4	6.1	5.9	5.8	1979	270.9	95.3	175.6
304.5	278.3	26.2	8.6	8.4	7.1	1980	262.4	87.6	174.8
304.1	274.9	29.1	9.6	9.6	7.6	1981	259.5	84.0	175.5
303.9	268.0	35.9	11.8	12.5	9.7	1982	248.8	76.0	172.9
302.5	265.2	37.3	12.3	12.2	9.6	1983	244.7	72.8	171.9
316.5	285.8	30.6	9.7	9.4	7.5	1984	252.2	76.2	176.0
317.8	289.9	28.0	8.8	8.9	7.2	1985	257.6	77.2	180.4
320.4	294.8	25.6	8.0	8.1	7.0	1986	260.7	76.4	184.3
320.3	297.5	22.7	7.1	7.0	6.2	1987	265.1	76.1	189.0
324.9	305.2	19.7	6.1	6.0	5.5	1988	272.7	76.4	196.3
331.6	313.7	17.8	5.4	5.5	5.3	1989	281.0	78.1	202.9
332.3	314.9	17.3	5.2	5.7	5.5	1990	285.9	78.1	207.8

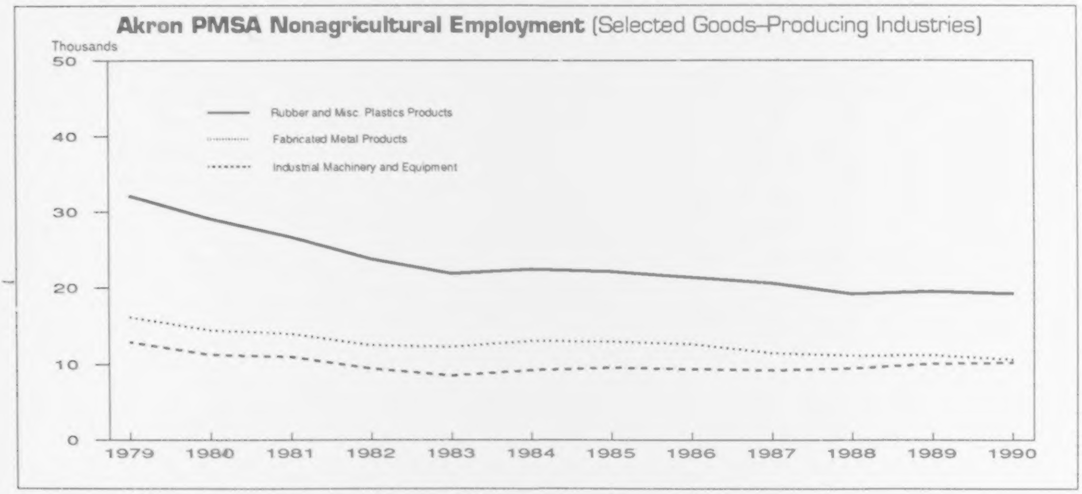
[a] Civilian labor force estimates are based on place of residence. Nonagricultural wage and salary employment estimates are based on place of work.
[b] Unemployment as percent of civilian labor force.

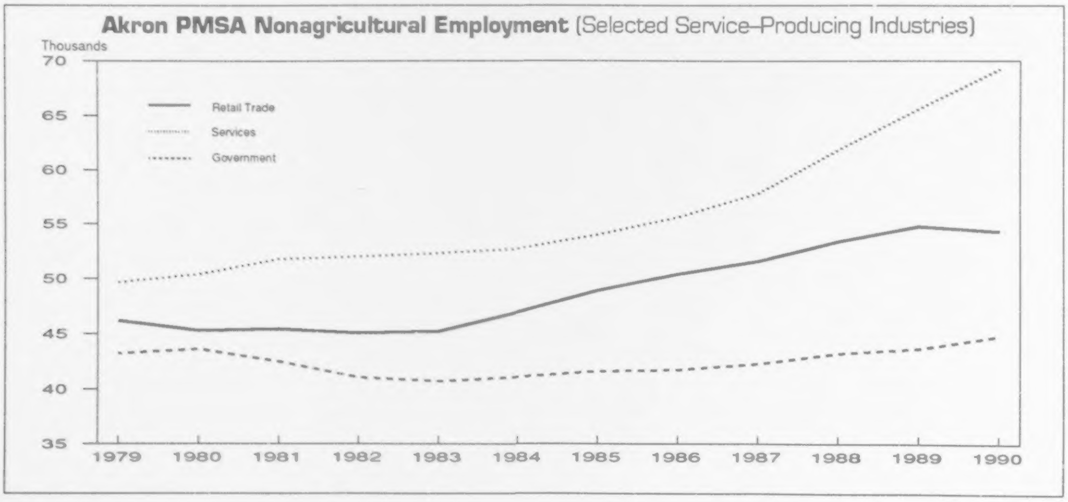
Nonfarm payroll employment in the Akron area rose 41,200 since the 1983 economic downturn. A major portion of the gain occurred in services (+16,900) and retail trade (+9,100). Noteworthy growth was posted in government, construction, and wholesale trade. From 1979 to 1990, employment increased 15,000 or 5.6 percent. During the same period, the area lost 18,600 manufacturing jobs and 1,400 workers in transportation and public utilities.

Akron PMSA
Division-Level Nonagricultural Wage and Salary Employment
(Employed and Unemployed in Thousands)

Construction	Manufacturing		Transportation & Utilities	Wholesale Trade	Retail Trade		Finance, Insurance, & Real Estate	Services	Government
9.2	85.6	1979	15.2	12.0	46.2	1979	9.4	49.7	43.2
8.0	79.1	1980	14.2	12.0	45.3	1980	9.3	50.4	43.6
7.7	75.7	1981	14.0	12.5	45.4	1981	9.3	51.8	42.5
7.0	68.3	1982	13.1	12.2	45.1	1982	9.3	52.1	41.1
6.9	65.2	1983	12.5	11.9	45.2	1983	9.1	52.3	40.7
7.6	67.9	1984	13.0	13.0	46.9	1984	9.2	52.8	41.1
8.2	68.1	1985	12.8	13.4	48.9	1985	9.6	54.0	41.6
8.6	67.2	1986	12.9	13.5	50.4	1986	10.2	55.6	41.7
9.1	66.4	1987	12.8	14.0	51.6	1987	10.6	57.8	42.2
9.7	66.2	1988	12.8	14.6	53.4	1988	10.5	61.8	43.2
10.1	67.3	1989	13.3	15.2	54.8	1989	10.5	65.6	43.6
10.5	67.0	1990	13.8	14.9	54.3	1990	10.8	69.2	44.8


Indexes of Total Nonagricultural Wage and Salary Employment


Akron PMSA Nonagricultural Employment (Selected Goods–Producing Industries)


Akron PMSA Nonagricultural Employment (Selected Service–Producing Industries)

Akron MSA

Nonagricultural Wage and Salary Employment, 1990[a]

(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	285.9	274.1	278.8	282.0	284.5	289.0	285.3	284.1	285.2	292.1	291.7	292.3	292.0
Goods-Producing Industries[b]	78.1	74.9	75.2	76.3	77.1	78.4	79.0	78.7	79.2	80.0	80.3	79.6	78.9
Construction	10.5	9.0	8.9	9.4	10.2	10.8	11.2	11.3	11.5	11.6	11.3	10.9	10.3
Manufacturing	67.0	65.4	65.7	66.3	66.3	66.9	67.1	66.8	67.0	67.7	68.3	68.0	68.0
Durable Goods[c]	34.7	33.7	33.9	34.3	34.3	34.8	34.8	34.4	34.6	35.3	35.5	35.3	35.5
Fabricated Metal Products	10.6	10.0	10.3	10.5	10.6	10.7	10.7	10.4	10.7	10.9	11.0	10.7	11.1
Fabricated Structural Metal Products	4.7	4.6	4.5	4.5	4.5	4.6	4.6	4.7	4.7	4.8	4.8	4.8	4.9
Industrial Machinery and Equipment	10.2	10.2	10.2	10.3	10.1	10.2	10.2	10.1	10.1	10.3	10.3	10.2	10.1
Metalworking Machinery	4.0	3.9	4.0	4.0	4.0	4.0	3.9	4.0	4.0	4.1	4.1	4.2	4.3
Electronic and Other Electric Equipment	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4
Transportation Equipment	4.9	5.0	4.9	4.9	4.9	4.9	4.9	4.8	4.8	4.8	4.8	4.8	4.8
Nondurable Goods[d]	32.3	31.7	31.9	32.0	32.0	32.1	32.3	32.4	32.5	32.4	32.7	32.6	32.5
Food and Kindred Products	3.1	3.0	3.0	3.0	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Chemicals and Allied Products	3.5	3.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Rubber and Miscellaneous Plastics Products	19.3	19.1	19.2	19.2	19.2	19.3	19.3	19.3	19.4	19.4	19.6	19.6	19.4
Tires and Inner Tubes	10.3	10.3	10.3	10.3	10.3	10.3	10.2	10.3	10.3	10.2	10.4	10.5	10.5
Service-Producing Industries	207.8	199.1	203.6	205.7	207.4	210.6	206.3	205.4	205.9	212.1	211.4	212.7	213.1
Transportation and Public Utilities	13.8	13.5	13.5	13.6	13.7	13.8	13.9	13.9	14.0	14.0	14.0	13.8	13.9
Communications, Electric, Gas Services	5.5	5.4	5.4	5.4	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
Wholesale Trade	14.9	14.8	14.8	14.9	14.9	15.0	15.0	15.1	15.0	15.0	14.9	14.9	14.9
Retail Trade	54.3	53.1	52.6	53.0	53.5	54.3	54.5	54.2	54.5	54.9	54.8	55.7	56.3
General Merchandise Stores	6.5	6.8	6.4	6.2	6.3	6.3	6.4	6.4	6.3	6.4	6.4	6.7	6.9
Food Stores	8.9	8.6	8.5	8.5	8.7	8.9	9.0	9.0	9.0	9.1	9.1	9.3	9.5
Finance, Insurance, and Real Estate	10.8	10.7	10.7	10.8	10.8	10.9	10.9	11.0	11.0	10.9	10.7	10.7	10.7
Finance	5.4	5.4	5.5	5.5	5.4	5.4	5.4	5.4	5.4	5.3	5.3	5.3	5.3
Services	69.2	65.4	65.5	66.5	67.8	69.4	71.1	72.0	71.8	71.2	70.1	69.9	70.1
Business Services	11.6	11.1	11.1	11.2	11.4	11.7	11.8	12.0	11.9	11.9	11.7	11.8	11.8
Personnel Supply Services	3.2	2.9	2.9	3.1	3.1	3.4	3.4	3.4	3.4	3.4	3.2	3.3	3.2
Amusements, Including Motion Pictures	5.6	4.2	4.2	4.3	5.2	6.0	6.8	7.4	7.3	6.6	5.5	5.1	5.2
Health Services	22.5	22.0	22.0	22.2	22.0	22.2	22.4	22.6	22.7	22.8	22.8	23.0	23.0
Nursing and Personal Care Facilities	3.7	3.7	3.7	3.7	3.6	3.7	3.7	3.7	3.7	3.8	3.7	3.8	3.8
Hospitals	11.3	11.2	11.1	11.1	11.1	11.1	11.3	11.4	11.3	11.4	11.4	11.5	11.5
Social Services	5.2	5.0	5.0	5.1	5.0	5.1	5.2	5.2	5.2	5.3	5.3	5.4	5.4
Engineering and Management Services	5.1	4.7	4.8	5.1	4.9	5.0	5.1	5.1	5.1	5.2	5.2	5.3	5.3

See footnotes at end of table.

RS-790-1-1 (1990)

Akron PMSA

Nonagricultural Wage and Salary Employment, 1990[a] (continued)

(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Government	44.8	41.7	46.5	47.0	46.6	47.4	41.0	39.3	39.7	46.1	46.9	47.7	47.3
Federal Government	2.6	2.4	2.4	2.5	2.6	3.0	2.6	2.7	2.6	2.5	2.5	2.6	2.6
State Government	15.8	13.0	17.4	17.7	17.4	17.3	12.2	11.5	12.1	17.2	17.9	18.1	17.8
State Government Education[e]	12.9	10.1	14.5	14.9	14.6	14.5	9.2	8.5	9.1	14.3	15.1	15.3	14.9
Local Government	26.4	26.3	26.7	26.8	26.6	27.1	26.1	25.1	25.0	26.5	26.5	27.1	26.9
Local Government Education	14.2	14.6	15.0	15.0	14.7	14.9	13.3	12.3	12.3	14.3	14.4	15.0	15.1

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes mining. [c] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [d] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [e] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [f] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-1 (1990)

Akron MSA

Nonagricultural Wage and Salary Employment, 1989[a]

(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	281.0	267.3	271.9	278.8	281.3	285.0	283.5	278.8	279.6	286.0	286.2	286.5	286.7
Goods-Producing Industries[b]	78.1	75.7	75.6	76.7	77.8	78.7	79.7	78.7	79.4	79.3	79.1	78.5	77.5
Construction	10.1	8.5	8.4	8.6	9.5	10.1	10.7	11.1	11.4	11.2	11.2	10.9	10.1
Manufacturing	67.3	66.6	66.7	67.5	67.8	68.1	68.4	67.0	67.5	67.5	67.2	67.0	66.8
Durable Goods[c]	35.0	34.6	34.6	34.7	35.1	35.2	35.2	34.7	35.1	35.3	35.2	35.0	34.9
Fabricated Metal Products	11.2	10.9	10.9	11.0	11.2	11.2	11.0	10.9	11.5	11.4	11.4	11.2	11.2
Fabricated Structural Metal Products	4.8	4.7	4.7	4.7	4.8	4.8	4.8	4.8	4.9	4.8	4.8	4.7	4.7
Industrial Machinery and Equipment	10.1	9.9	9.9	9.9	10.1	10.1	10.2	10.1	10.1	10.1	10.1	10.1	10.1
Metalworking Machinery	3.8	3.7	3.7	3.7	3.9	3.9	3.9	3.8	3.8	3.8	3.8	3.8	3.8
Electronic and Other Electric Equipment	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.6	2.6	2.6	2.5
Transportation Equipment	5.2	5.5	5.5	5.3	5.4	5.4	5.4	4.9	4.9	5.0	4.9	4.9	4.9
Nondurable Goods[d]	32.4	32.0	32.1	32.8	32.7	32.9	33.2	32.3	32.3	32.2	32.0	32.0	31.9
Food and Kindred Products	3.1	3.0	3.0	3.0	2.9	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1
Chemicals and Allied Products	3.6	3.6	3.6	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.5	3.5	3.6
Rubber and Miscellaneous Plastics Products	19.6	19.5	19.5	20.2	20.1	20.2	20.4	19.4	19.4	19.3	19.3	19.3	19.2
Tires and Inner Tubes	10.7	10.4	10.4	11.0	11.2	11.2	11.3	10.4	10.4	10.4	10.4	10.4	10.4
Service-Producing Industries	202.9	191.6	196.4	202.1	203.5	206.3	203.8	200.1	200.2	206.7	207.1	207.9	209.2
Transportation and Public Utilities	13.3	12.7	12.8	12.9	13.1	13.3	13.4	13.3	13.5	13.6	13.7	13.7	13.8
Communications, Electric, Gas Services	5.1	4.8	4.8	4.8	4.8	4.9	5.0	5.1	5.2	5.2	5.3	5.4	5.4
Wholesale Trade	15.2	15.2	15.3	15.5	15.2	15.3	15.3	15.2	15.2	15.1	15.0	14.9	14.9
Retail Trade	54.8	52.3	52.3	54.0	54.5	55.0	55.3	55.2	55.4	55.3	55.2	56.0	56.9
General Merchandise Stores	7.2	6.4	6.2	7.3	7.5	7.3	7.3	7.2	7.2	7.2	7.3	7.6	8.1
Food Stores	8.9	8.7	8.7	8.7	8.8	9.0	9.1	9.1	9.1	9.0	8.9	9.0	9.0
Finance, Insurance, and Real Estate	10.5	10.1	10.1	10.2	10.3	10.4	10.4	10.5	10.6	10.7	10.7	10.7	10.8
Finance	5.3	5.1	5.1	5.2	5.3	5.3	5.3	5.4	5.4	5.5	5.4	5.4	5.4
Services	65.6	62.1	62.3	63.2	64.4	66.0	68.8	67.4	67.3	67.0	66.1	65.8	66.2
Business Services	10.9	10.3	10.3	10.5	10.8	10.9	11.3	11.1	11.0	11.0	11.3	11.3	11.2
Personnel Supply Services	3.0	2.8	2.7	2.9	3.0	3.0	3.1	3.0	3.0	3.0	3.2	3.1	3.0
Amusement, Including Motion Pictures	5.4	3.9	3.9	4.1	5.0	6.2	7.9	6.7	6.6	6.0	5.0	4.7	4.6
Health Services	21.3	21.2	21.0	21.1	21.0	21.1	21.3	21.2	21.4	21.6	21.4	21.5	21.6
Nursing and Personal Care Facilities	3.7	3.6	3.6	3.5	3.6	3.6	3.7	3.7	3.8	3.8	3.7	3.7	3.7
Hospitals	10.6	10.8	10.7	10.8	10.7	10.6	10.8	10.4	10.5	10.6	10.4	10.5	10.5
Social Services	4.7	4.5	4.6	4.6	4.7	4.7	4.7	4.8	4.8	4.9	4.8	4.8	4.9
Engineering and Management Services	4.9	4.7	4.8	4.9	4.8	4.8	4.9	4.9	4.9	4.9	4.9	5.0	5.1

See footnotes at end of table.

RS-790-1-1 (1989)

Akron PMSA

Nonagricultural Wage and Salary Employment, 1989[a] (continued)
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Government	43.6	39.1	43.5	46.3	45.9	46.4	40.6	38.5	38.2	45.1	46.4	46.7	46.8
Federal Government	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
State Government	15.3	12.8	14.9	17.5	17.3	17.1	11.9	11.2	11.0	16.8	17.4	17.5	17.7
State Government Education[e]	12.3	9.9	12.0	14.6	14.4	14.2	8.8	8.2	8.0	13.9	14.6	14.7	14.8
Local Government	26.0	23.9	26.2	26.4	26.2	26.8	26.3	24.9	24.8	25.9	26.6	26.8	26.7
Local Government Education	13.9	12.4	14.7	14.8	14.4	14.7	13.5	11.9	12.1	13.8	14.6	14.7	14.9

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes mining. [c] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [d] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [e] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [f] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-1 (1989)

Akron PMSA

Average Hourly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$11.93	$11.60	$11.68	$11.71	$11.61	$12.00	$12.11	$11.97	$12.17	$12.21	$12.13	$11.94	$12.02
Durable Goods[b]	12.06	11.62	11.78	11.77	11.73	12.19	12.33	12.05	12.41	12.38	12.27	11.98	12.12
Fabricated Metal Products	14.69	13.71	14.07	13.94	14.06	15.11	15.32	14.67	15.32	15.33	15.10	14.45	14.78
Fabricated Structural Metal Products	11.98	11.67	11.84	11.86	11.61	12.26	12.37	11.75	12.03	12.12	12.19	12.05	11.95
Industrial Machinery and Equipment	10.93	10.88	10.82	10.80	10.64	10.68	10.82	10.92	11.04	11.07	11.02	11.18	11.27
Metalworking Machinery	11.52	11.23	11.29	11.32	11.12	11.20	11.36	11.61	11.65	11.74	11.69	12.03	11.92
Electronic and Other Electric Equipment	10.26	9.73	9.88	9.99	10.21	10.23	10.33	10.42	10.43	10.40	10.41	10.59	10.53
Transportation Equipment	14.60	14.60	14.84	14.93	14.33	14.45	14.48	14.44	14.50	14.63	14.62	14.68	14.67
Nondurable Goods[c]	11.75	11.57	11.54	11.61	11.45	11.72	11.78	11.84	11.83	11.96	11.93	11.92	11.88
Food and Kindred Products	9.79	9.52	9.45	9.63	9.57	9.73	9.92	9.81	9.88	9.86	9.90	10.13	10.04
Chemicals and Allied Products	12.65	12.10	12.13	12.39	12.59	12.38	12.47	12.59	12.76	12.99	13.29	13.07	13.01
Rubber and Miscellaneous Plastics Products	11.66	11.52	11.42	11.34	11.24	11.79	11.83	11.92	11.86	11.91	11.68	11.62	11.69
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	14.59	14.58	14.61	14.47	14.66	14.57	14.53	14.48	14.51	14.64	14.63	14.72	14.71
Wholesale Trade	9.87	9.73	9.61	9.64	9.80	9.89	9.93	9.86	9.98	9.91	9.94	10.09	10.08
Retail Trade[d]	7.07	6.83	6.91	7.01	7.09	6.98	7.00	7.13	7.19	7.13	7.08	7.19	7.24
General Merchandise Stores	6.65	6.54	6.54	6.69	6.72	6.73	6.63	6.64	6.72	6.67	6.68	6.56	6.67
Food Stores	8.64	8.67	8.74	8.78	8.68	8.67	8.44	8.37	8.40	8.57	8.60	8.81	8.92

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [c] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products: printing and publishing; petroleum and coal products; leather and leather products. [d] Money payments only; tips not included. [f] Depressed due to labor-management disputes during part of pay period. [g] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-4-1 (1990)

Akron PMSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	42.8	42.9	42.5	42.7	41.3	43.0	43.3	42.6	43.5	43.4	42.8	43.2	42.9
Durable Goods[b]	43.2	42.9	42.8	42.8	41.5	43.5	43.9	42.8	44.1	43.7	43.1	43.5	43.3
Fabricated Metal Products	43.2	41.6	42.0	41.2	40.8	45.6	45.8	42.6	45.8	44.9	43.4	42.8	41.5
Fabricated Structural Metal Products	43.9	43.4	43.5	42.9	42.1	45.8	45.4	41.6	45.7	44.5	45.1	44.8	42.6
Industrial Machinery and Equipment	44.6	44.9	44.7	45.2	43.4	43.6	43.7	44.0	44.6	44.7	44.5	45.5	46.2
Metalworking Machinery	46.0	45.3	46.2	46.5	44.0	44.3	44.9	45.2	45.8	45.9	46.4	48.3	48.5
Electronic and Other Electric Equipment	41.3	40.4	40.9	40.8	40.6	41.4	42.1	42.3	41.9	41.0	41.4	41.9	41.0
Transportation Equipment	42.9	43.4	44.0	44.3	40.7	42.7	42.3	42.7	42.4	42.9	42.8	43.5	43.5
Nondurable Goods[c]	42.4	42.9	42.1	42.5	40.9	42.3	42.5	42.4	42.7	42.9	42.3	42.8	42.3
Food and Kindred Products	39.5	39.1	39.0	39.7	38.5	39.2	40.1	39.6	39.7	39.2	39.7	41.3	39.2
Chemicals and Allied Products	43.5	43.3	42.0	42.8	44.0	43.1	43.7	43.1	44.1	44.3	45.3	43.1	43.6
Rubber and Miscellaneous Plastics Products	43.3	44.3	43.3	42.7	41.2	43.5	44.0	44.1	44.1	43.8	42.5	43.4	43.2
Transportation and Public Utilities	....	....	....	....	....	....	....	....	....	....	....	....	....
Communications, Electric, Gas Services	40.9	40.6	40.2	40.5	41.3	41.0	41.0	40.6	40.6	40.9	40.7	41.5	42.3
Wholesale Trade	36.7	36.8	36.8	36.9	36.7	36.7	36.8	36.3	36.6	36.5	36.8	36.9	36.7
Retail Trade	30.6	30.7	30.4	30.5	30.3	30.7	31.0	31.3	30.9	30.4	30.3	30.3	30.9
General Merchandise Stores	29.6	30.5	29.7	29.3	29.5	29.9	29.6	29.5	30.0	29.4	29.1	28.4	29.9
Food Stores	36.8	35.7	35.4	36.9	35.8	36.0	37.4	38.4	37.4	37.3	37.3	37.1	36.9

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [c] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [f] Depressed due to labor-management disputes during part of pay period. [g] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-3-1 (1990)

Akron PMSA

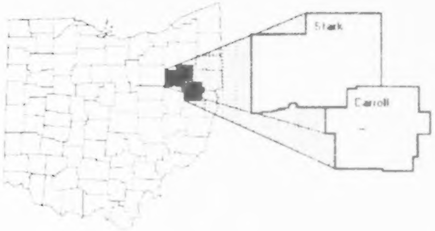
Average Weekly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$510.60	$497.64	$496.40	$500.02	$479.49	$516.00	$524.36	$509.92	$529.40	$529.91	$519.16	$515.81	$515.66
Durable Goods[b]	520.99	498.50	504.18	503.76	486.80	530.27	541.29	515.74	547.28	541.01	528.84	521.13	524.80
Fabricated Metal Products	634.61	570.34	590.94	574.33	573.65	689.02	701.66	624.94	701.66	688.32	655.34	618.46	613.37
Fabricated Structural Metal Products	525.92	506.48	515.04	508.79	488.78	561.51	561.60	488.80	549.77	539.34	549.77	539.84	509.07
Industrial Machinery and Equipment	487.48	488.51	483.65	488.16	461.78	465.65	472.83	480.48	492.38	494.83	490.39	508.69	520.67
Metalworking Machinery	529.92	508.72	521.60	526.38	489.28	496.16	510.06	524.77	533.57	538.87	542.42	581.05	578.12
Electronic and Other Electric Equipment	423.74	393.09	404.09	407.59	414.53	423.52	434.89	440.77	437.02	426.40	430.97	443.72	431.73
Transportation Equipment	626.34	633.64	652.96	661.40	583.23	617.02	612.50	616.59	614.80	627.63	625.74	638.58	638.15
Nondurable Goods[c]	498.20	496.35	485.83	493.43	468.31	495.76	500.65	502.02	505.14	513.08	504.64	510.18	502.52
Food and Kindred Products	386.71	372.23	368.55	382.31	368.45	381.42	397.79	388.48	392.24	386.51	393.03	418.37	393.57
Chemicals and Allied Products	550.28	523.93	509.46	530.29	553.96	533.58	544.94	542.63	562.72	575.46	602.04	563.32	567.24
Rubber and Miscellaneous Plastics Products	504.88	510.34	494.49	484.22	463.09	512.87	520.52	525.67	523.03	521.66	496.40	504.31	505.01
Transportation and Public Utilities	......	......	......	......	......	......	......	......	......	......	......	......	......
Communications, Electric, Gas Services	596.73	591.95	587.32	586.04	605.46	597.37	595.73	587.89	589.11	598.78	595.44	610.88	622.23
Wholesale Trade	362.23	358.06	353.65	355.72	359.66	362.96	365.42	357.92	365.27	361.72	365.79	372.32	369.94
Retail Trade[d]	216.34	209.68	210.06	213.81	214.83	214.29	217.00	223.17	222.17	216.75	214.52	217.86	223.72
General Merchandise Stores	196.84	199.47	194.24	196.02	198.24	201.23	196.25	195.88	201.60	196.10	194.39	186.30	199.43
Food Stores	317.95	309.52	309.40	323.98	310.74	312.12	315.66	321.41	314.16	319.66	320.78	326.85	329.15
Finance, Insurance, and Real Estate	......	......	......	......	......	......	......	......	......	......	......	......	......
Finance	282.50	285.47	287.83	286.14	281.93	284.12	282.33	284.90	283.78	281.68	276.86	275.05	279.92

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [c] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [d] Money payments only; tips not included. [f] Depressed due to labor-management disputes during part of pay period. [g] Not comparable to previous estimates.

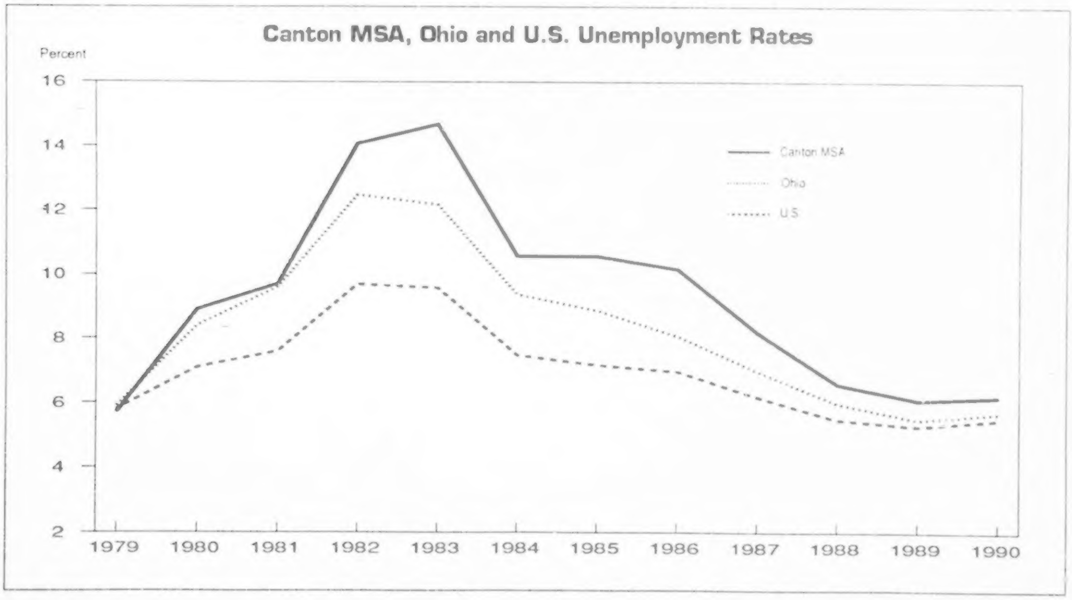
Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-2-1 (1990)

Canton
Metropolitan Statistical Area



In the Canton metropolitan area, the estimated annual average civilian labor force, distributed by place of residence, decreased 500 from the 1989 level to 193,800 in 1990. Total employment, at 181,800, lost 700 jobs over the year, while unemployment rose 200. The unemployment rate showed a marginal increase, from 6.1 percent in 1989 to 6.2 percent in 1990.

Nonagricultural wage and salary employment, at 166,000 in 1990, advanced 1,600 above the 1989 level, a 1.0 percent gain. The number of jobs in service-producing industries increased 2,000 to 112,900. A major portion of the growth occurred in services (+1,400). Modest improvements were registered in government and wholesale trade. Employment in transportation and public utilities and in finance, insurance, and real estate declined fractionally. Employment in goods-producing industries dropped 400 over the year to 53,200. Reductions among manufacturers of durable and nondurable goods more than offset nominal growth in construction. Employment cutbacks were noted in fabricated metal products, rubber and miscellaneous plastics products, electronic and other electric equipment, and food and kindred products.



Canton MSA
Civilian Labor Force and Nonagricultural Wage and Salary Employment[a]

(Employed and Unemployed in Thousands)

Civilian Labor Force							Nonagricultural Wage and Salary Employment		
	Employment							Goods–Producing Industries	Service–Producing Industries
		Unemployment							
			Unemployment Rates[b]						
			MSA	Ohio	U.S.				
184.3	173.7	10.6	5.7	5.9	5.8	1979	160.8	66.6	94.2
187.7	170.9	16.8	8.9	8.4	7.1	1980	157.1	62.3	94.9
188.4	170.1	18.2	9.7	9.6	7.6	1981	156.6	61.2	95.4
191.4	164.3	27.0	14.1	12.5	9.7	1982	148.6	53.5	95.1
187.0	159.5	27.5	14.7	12.2	9.6	1983	143.4	49.0	94.4
188.1	168.1	19.9	10.6	9.4	7.5	1984	149.1	52.6	96.5
189.5	169.5	20.0	10.6	8.9	7.2	1985	151.5	52.7	98.8
190.5	171.2	19.4	10.2	8.1	7.0	1986	151.9	50.0	101.9
190.4	174.7	15.7	8.2	7.0	6.2	1987	156.4	50.9	105.5
190.5	178.0	12.6	6.6	6.0	5.5	1988	160.1	52.5	107.6
194.3	182.5	11.8	6.1	5.5	5.3	1989	164.5	53.6	110.9
193.8	181.8	12.0	6.2	5.7	5.5	1990	166.0	53.2	112.9

[a] Civilian labor force estimates are based on place of residence. Nonagricultural wage and salary employment estimates are based on place of work.

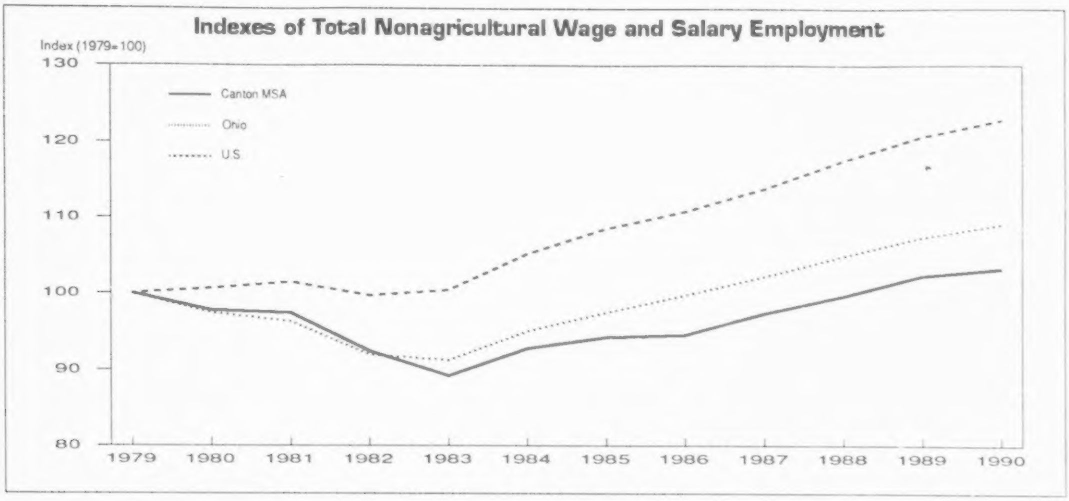
[b] Unemployment as percent of civilian labor force.

Nonfarm payroll employment in the Canton area gained 22,600 jobs since the 1983 economic downturn. Noteworthy growth occurred in services (+9,000), retail trade (+5,500), and construction (+3,300). From 1979 to 1990, employment rose 5,300 or 3.3 percent. During the same period, the manufacturing workforce declined 14,300 and transportation and public utilities lost 2,000 jobs.

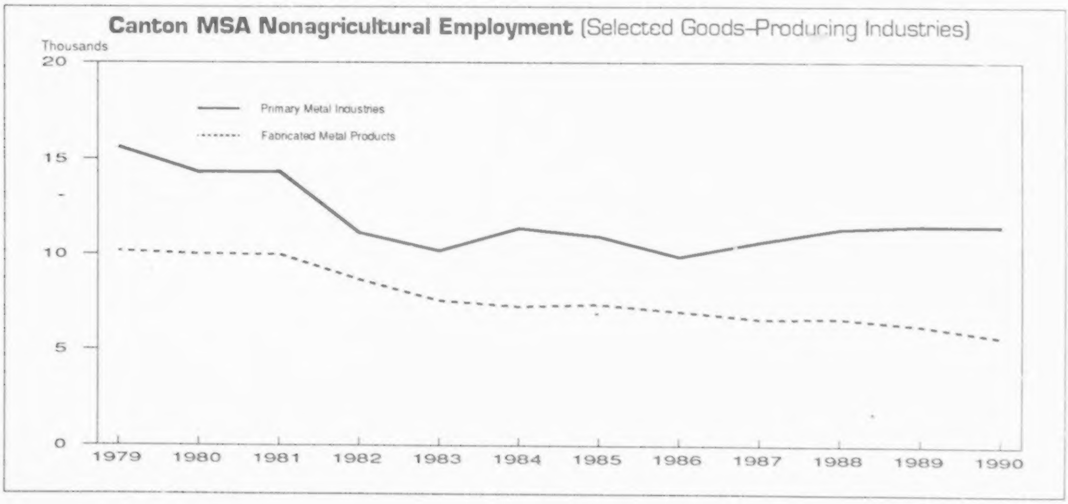
Canton MSA
Division-Level Nonagricultural Wage and Salary Employment

(Employed and Unemployed in Thousands)

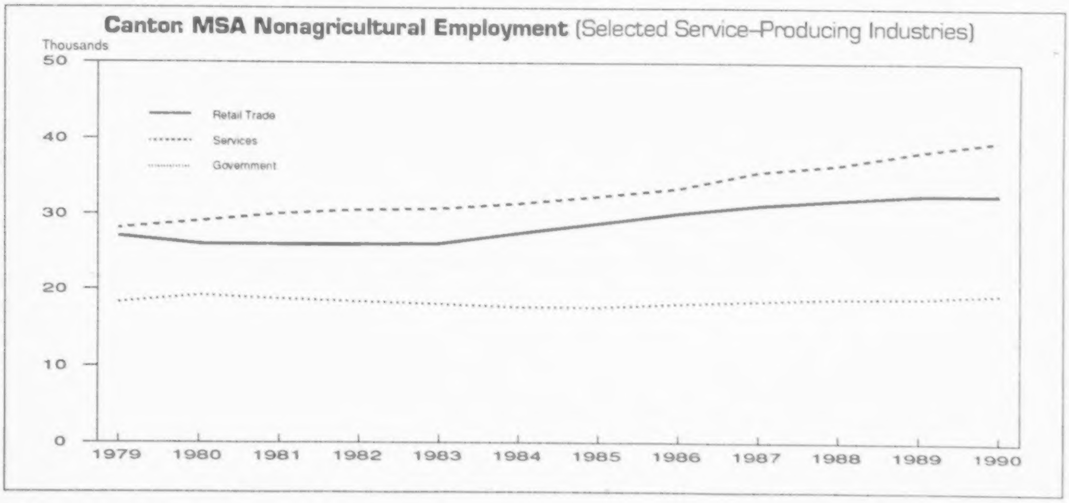
Construction	Manufacturing		Transportation & Utilities	Wholesale Trade	Retail Trade		Finance, Insurance, & Real Estate	Services	Government
6.4	59.1	1979	7.6	7.2	27.1	1979	5.9	28.1	18.3
5.4	55.7	1980	7.2	7.3	26.0	1980	6.2	29.0	19.2
5.1	54.8	1981	6.9	7.6	25.9	1981	6.3	30.0	18.7
4.6	47.6	1982	6.5	7.6	25.9	1982	6.3	30.5	18.3
4.3	43.5	1983	5.9	7.3	26.1	1983	6.4	30.7	18.0
4.9	46.4	1984	6.2	7.7	27.4	1984	6.1	31.4	17.6
5.3	46.2	1985	5.9	7.9	28.8	1985	6.1	32.4	17.6
5.3	43.7	1986	5.7	8.0	30.1	1986	6.4	33.4	18.1
6.0	44.0	1987	5.7	8.1	31.2	1987	6.5	35.6	18.5
6.3	45.3	1988	5.7	8.2	31.9	1988	6.5	36.5	18.8
7.2	45.7	1989	5.7	8.7	32.5	1989	6.9	38.2	18.9
7.6	44.8	1990	5.6	8.8	32.6	1990	6.8	39.7	19.4



Indexes of Total Nonagricultural Wage and Salary Employment



Canton MSA Nonagricultural Employment (Selected Goods–Producing Industries)



Canton MSA Nonagricultural Employment (Selected Service–Producing Industries)

Canton MSA

Nonagricultural Wage and Salary Employment, 1990[a]

(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	166.0	162.0	161.4	163.0	164.2	167.1	168.2	167.2	167.4	168.2	167.9	168.2	167.5
Goods-Producing Industries[b]	53.2	52.1	52.0	52.4	52.2	53.3	53.8	54.1	54.1	54.5	53.6	53.4	52.4
Construction	7.6	6.5	6.5	6.9	7.7	7.9	7.9	8.1	8.3	8.2	8.0	7.8	7.3
Manufacturing	44.8	44.9	44.7	44.8	43.8	44.7	45.1	45.2	45.1	45.5	44.8	44.9	44.4
Durable Goods[c]	33.5	33.6	33.7	33.4	32.6	33.4	33.7	33.8	33.7	34.1	33.5	33.5	33.4
Primary Metal Industries[e]	11.5	11.0	11.0	11.2	10.3[e]	11.3	11.6	11.7	11.8	12.1	11.8	11.9	12.1
Fabricated Metal Products	5.7	5.9	6.0	5.8	5.7	5.7	5.7	5.7	5.7	5.7	5.4	5.4	5.4
Electronic and Other Electric Equipment	4.1	4.2	4.2	4.2	4.3	4.2	4.1	4.1	4.1	4.1	4.1	4.1	3.9
Nondurable Goods[d]	11.3	11.3	11.0	11.4	11.2	11.3	11.4	11.4	11.4	11.4	11.3	11.3	11.0
Food and Kindred Products	3.0	3.2	2.9	3.1	3.0	3.0	3.0	3.1	3.1	3.1	3.0	3.1	3.1
Rubber and Miscellaneous Plastics Products	2.8	2.8	2.9	3.0	2.9	2.9	2.9	2.8	2.8	2.8	2.8	2.8	2.5
Service-Producing Industries	112.9	109.9	109.5	110.6	112.0	113.8	114.4	113.1	113.3	113.7	114.4	114.8	115.1
Transportation and Public Utilities	5.6	5.5	5.5	5.4	5.4	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.7
Communications, Electric, Gas Services	2.8	2.7	2.7	2.8	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
Wholesale Trade	8.8	8.6	8.5	8.6	8.7	8.8	9.0	9.0	9.0	9.0	9.0	9.0	9.0
Retail Trade	32.6	32.0	31.2	31.6	32.1	32.7	33.1	32.8	33.0	32.8	33.0	33.2	33.6
General Merchandise Stores	4.0	4.3	4.0	3.9	3.9	3.9	3.9	3.8	3.8	3.9	3.9	4.1	4.2
Food Stores	5.6	5.7	5.3	5.3	5.5	5.5	5.6	5.6	5.6	5.6	5.7	5.7	5.8
Finance, Insurance, and Real Estate	6.8	6.9	6.9	7.0	6.8	6.8	6.8	6.9	6.9	6.7	6.7	6.6	6.6
Finance	4.0	4.0	4.0	4.1	4.0	4.0	4.0	4.0	4.0	3.9	3.9	3.9	3.9
Services	39.7	37.7	37.9	38.5	39.4	39.8	40.5	40.2	40.2	40.2	40.4	40.6	40.5
Health Services	16.0	15.6	15.6	15.7	15.8	15.9	16.1	16.1	16.1	16.2	16.2	16.4	16.4
Nursing and Personal Care Facilities	3.8	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.9	3.8	3.8	3.9	3.9
Hospitals	7.4	7.2	7.2	7.2	7.3	7.4	7.5	7.5	7.5	7.4	7.5	7.6	7.6
Government	19.4	19.3	19.5	19.5	19.6	20.1	19.3	18.6	18.5	19.2	19.6	19.7	19.7
Federal Government	1.5	1.4	1.4	1.4	1.5	1.9	1.6	1.7	1.5	1.5	1.5	1.5	1.5
State Government (Includes Education)	1.7	1.7	1.7	1.7	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Local Government	16.1	16.3	16.4	16.3	16.3	16.4	16.0	15.2	15.3	16.0	16.4	16.5	16.5
Local Government Education	9.6	9.8	9.9	9.9	9.9	9.9	9.4	8.6	8.5	9.5	10.0	10.0	10.0

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes mining. [c] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [d] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-2 (1990)

Canton MSA
Nonagricultural Wage and Salary Employment, 1989[a]
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	164.5	161.2	160.8	162.2	163.1	164.8	165.8	166.2	166.3	166.4	162.3	167.2	167.1
Goods-Producing Industries[b]	53.6	53.1	52.8	53.1	53.4	54.1	54.9	54.9	55.0	54.4	49.9	54.1	53.4
Construction	7.2	6.1	6.0	6.2	6.7	7.1	7.6	7.9	7.9	7.7	7.8	7.6	7.2
Manufacturing	45.7	46.2	46.1	46.2	46.0	46.3	46.5	46.2	46.3	45.9	41.3	45.7	45.4
Durable Goods[c]	34.0	34.5	34.3	34.5	34.4	34.5	34.7	34.5	34.6	34.3	29.8[f]	34.2	33.8
Primary Metal Industries	11.5	11.8	11.8	11.9	11.9	11.9	11.8	11.8	11.8	11.6	9.6[f]	11.4	11.0
Fabricated Metal Products	6.3	6.6	6.5	6.5	6.4	6.4	6.4	6.2	6.1	6.1	6.1	6.0	6.1
Electronic and Other Electric Equipment	4.2	4.5	4.2	4.2	4.1	4.1	4.2	4.2	4.2	4.2	4.2	4.2	4.2
Nondurable Goods[d]	11.7	11.8	11.7	11.7	11.7	11.8	11.8	11.8	11.7	11.6	11.6	11.6	11.6
Food and Kindred Products	3.1	3.2	3.2	3.2	3.1	3.2	3.3	3.1	3.1	3.1	3.0	3.0	3.1
Rubber and Miscellaneous Plastics Products	3.1	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.0	3.0	3.1	3.0	3.0
Service-Producing Industries	110.9	108.1	108.0	109.1	109.6	110.7	110.9	111.3	111.4	112.0	112.4	113.1	113.8
Transportation and Public Utilities	5.7	5.6	5.6	5.6	5.5	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
Communications, Electric, Gas Services	2.7	2.7	2.7	2.7	2.6	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
Wholesale Trade	8.7	8.5	8.4	8.5	8.4	8.5	8.6	8.8	8.8	8.7	8.8	8.8	8.9
Retail Trade	32.5	31.7	31.0	31.9	31.8	32.2	32.8	32.6	32.9	32.7	33.1	33.6	34.2
General Merchandise Stores	4.1	3.8	3.6	4.2	4.1	4.1	4.1	4.0	4.0	4.0	4.1	4.4	4.6
Food Stores	5.5	5.5	5.4	5.4	5.4	5.4	5.6	5.5	5.5	5.5	5.7	5.7	5.9
Finance, Insurance, and Real Estate	6.9	6.8	6.7	6.8	6.8	6.8	6.9	6.9	6.9	6.9	7.0	7.0	7.0
Finance	3.9	3.8	3.8	3.8	3.9	3.9	4.0	3.9	3.9	4.0	4.0	4.0	4.1
Services	38.2	36.4	36.8	37.1	37.8	38.1	38.5	39.1	39.3	39.4	38.8	39.0	38.5
Health Services	15.7	15.2	15.2	15.3	15.5	15.6	15.7	16.0	16.1	16.2	15.8	15.8	15.8
Nursing and Personal Care Facilities	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.8
Hospitals	7.3	7.1	7.1	7.1	7.3	7.4	7.5	7.5	7.6	7.6	7.3	7.2	7.2
Government	18.9	19.1	19.4	19.1	19.1	19.3	18.4	18.2	17.7	18.6	19.1	19.1	19.4
Federal Government	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.4	1.4
State Government (Includes Education)	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.8
Local Government	15.8	16.1	16.3	16.0	16.0	16.1	15.4	15.1	14.7	15.5	16.0	16.0	16.2
Local Government Education	9.4	9.7	9.9	9.8	9.8	9.9	8.9	8.5	8.3	9.2	9.7	9.7	9.8

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes mining. [c] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [d] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-2 (1989)

Canton MSA

Average Hourly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$11.38	$11.24	$11.23	$11.22	$11.32	$11.40	$11.50	$11.47	$11.39	$11.46	$11.48	$11.45	$11.35
Durable Goods[b]	11.68	11.63	11.56	11.53	11.66	11.72	11.85	11.80	11.62	11.74	11.77	11.64	11.60
Primary Metal Industries	12.14	11.84	11.65	11.86	12.18	12.24	12.48	12.52	12.19	12.29	12.44	12.12	11.86
Fabricated Metal Products	11.36	11.97	11.87	11.63	11.59	11.29	11.33	11.34	10.96	11.02	10.97	11.02	10.99
Electronic and Other Electric Equipment	13.73	13.63	13.41	13.55	13.35	13.37	13.60	13.51	13.88	14.22	14.18	13.88	14.20
Nondurable Goods[c]	10.39	9.94	10.11	10.21	10.18	10.38	10.37	10.40	10.64	10.52	10.55	10.85	10.50
Food and Kindred Products	10.75	10.36	10.63	10.52	10.70	10.92	10.94	10.86	11.20	10.96	10.72	10.60	10.52
Rubber and Miscellaneous Plastics Products	9.67	9.66	9.72	9.60	9.63	9.79	9.60	9.60	9.73	9.69	9.57	9.66	9.83
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	14.56	14.32	14.35	14.47	14.35	14.30	14.48	14.59	14.55	14.60	14.79	14.88	14.97
Wholesale Trade	9.95	9.75	9.93	9.96	9.94	9.99	9.97	9.90	10.03	9.94	10.03	9.85	10.12
Retail Trade[d]	6.18	6.07	6.08	6.08	6.10	6.13	6.16	6.14	6.23	6.30	6.25	6.30	6.29
General Merchandise Stores	6.68	6.52	6.66	6.68	6.60	6.52	6.57	6.63	6.76	6.87	6.87	6.70	6.82
Food Stores	5.95	5.85	5.95	6.00	5.88	5.94	5.92	5.87	5.86	5.96	5.96	6.13	6.10
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Nursing and Personal Care Facilities	6.28	6.16	6.17	6.10	6.20	6.21	6.26	6.35	6.33	6.34	6.37	6.42	6.40

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [c] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d] Money payments only; tips not included. [f] Depressed due to labor-management disputes during part of pay period. [g] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-90 RS-790-4-2 (1990)

Canton MSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	42.3	42.3	42.2	42.1	41.9	42.1	42.4	42.3	42.5	42.9	42.3	42.3	41.7
Durable Goods[b]	43.0	43.4	43.0	42.8	42.8	42.5	43.2	43.2	43.2	43.5	43.0	42.8	42.3
Primary Metal Industries	45.2	45.8	44.2	45.1	45.6	44.8	44.9	46.3	45.8	45.9	45.7	44.5	43.5
Fabricated Metal Products	40.6	41.1	40.4	41.2	40.5	39.6	41.4	40.9	40.3	40.7	40.5	40.2	39.7
Electronic and Other Electric Equipment	39.6	41.2	40.7	40.4	39.0	37.4	38.6	37.7	39.5	41.1	40.3	38.7	40.3
Nondurable Goods[c]	40.1	38.9	39.7	40.0	39.2	40.9	40.3	39.8	40.6	40.8	40.4	40.6	39.5
Food and Kindred Products	39.4	37.7	38.9	38.8	39.2	40.5	39.7	39.2	41.0	39.7	38.9	39.3	40.1
Rubber and Miscellaneous Plastics Products	40.7	40.9	41.2	41.0	40.5	42.9	40.9	40.1	39.6	40.2	39.9	40.1	40.6
Transportation and Public Utilities	....	....	....	....	....	....	....	....	....	....	....	....	....
Communications, Electric, Gas Services	40.7	40.0	39.9	40.1	39.6	40.2	40.7	40.7	40.4	41.1	41.0	41.6	43.4
Wholesale Trade	38.7	38.1	38.5	38.9	38.4	38.4	38.7	38.5	38.7	38.8	38.8	39.2	39.0
Retail Trade	28.1	28.0	28.2	28.4	28.5	28.2	28.1	28.5	28.2	27.9	27.7	27.5	28.1
General Merchandise Stores	28.7	29.0	28.8	29.0	29.0	28.8	29.1	29.6	29.0	28.3	28.1	27.6	28.6
Food Stores	28.1	27.4	27.8	27.7	27.2	27.7	27.6	28.5	28.1	28.7	28.9	28.5	29.1
Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Health Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Nursing and Personal Care Facilities	30.1	30.0	29.4	29.7	29.9	29.8	30.1	30.6	29.8	30.5	30.2	30.6	30.4

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [c] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Depressed due to labor-management disputes during part of pay period. [g] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-3-2 (1990)

Canton MSA

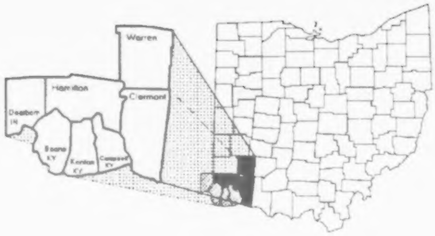
Average Weekly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$481.37	$475.45	$473.91	$472.36	$474.31	$479.94	$487.60	$485.18	$484.08	$491.63	$485.60	$484.34	$473.30
Durable Goods[b]	502.24	504.74	497.08	493.48	499.05	498.10	511.92	509.76	501.98	510.69	506.11	498.19	490.68
Primary Metal Industries	548.73	542.27	514.93	534.89	555.41	548.35	560.35	579.68	558.30	564.11	568.51	539.34	515.91
Fabricated Metal Products	461.22	491.97	479.55	479.16	469.40	447.08	469.06	463.81	441.69	448.51	444.29	443.00	436.30
Electronic and Other Electric Equipment	543.71	561.56	545.79	547.42	520.65	500.04	524.96	509.33	548.26	584.44	571.45	537.16	572.26
Nondurable Goods[c]	416.64	386.67	401.37	408.40	399.06	424.54	417.91	413.92	431.98	429.22	426.22	440.51	414.75
Food and Kindred Products	423.55	390.57	413.51	408.18	419.44	442.26	434.32	425.71	459.20	435.11	417.01	416.58	421.85
Rubber and Miscellaneous Plastics Products	393.57	395.09	400.46	393.60	390.02	419.99	392.64	384.96	385.31	389.54	381.84	387.37	399.10
Transportation and Public Utilities	......	......	......	......	......	......	......	......	......	......	......	......	......
Communications, Electric, Gas Services	592.59	572.80	572.57	580.25	568.26	574.86	589.34	593.81	587.82	600.06	606.39	619.01	649.70
Wholesale Trade	385.07	371.48	382.31	387.44	381.70	383.62	385.84	381.15	388.16	385.67	389.16	386.12	394.68
Retail Trade[d]	173.66	169.96	171.46	172.67	173.85	172.87	173.10	174.99	175.69	175.77	173.13	173.25	176.75
General Merchandise Stores	191.72	189.08	191.81	193.72	191.40	187.78	191.19	196.25	196.04	194.42	193.05	184.92	195.05
Food Stores	167.20	160.29	165.41	166.20	159.94	164.54	163.39	167.30	164.67	171.05	172.24	174.71	177.51
Services	......	......	......	......	......	......	......	......	......	......	......	......	......
Health Services	......	......	......	......	......	......	......	......	......	......	......	......	......
Nursing and Personal Care Facilities	189.03	184.80	181.40	181.17	185.38	185.06	188.43	194.31	188.63	193.37	192.37	196.45	194.56

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products, industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [c] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d] Money payments only; tips not included. [f] Depressed due to labor-management disputes during part of pay period. [g] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-2-2 (1990)

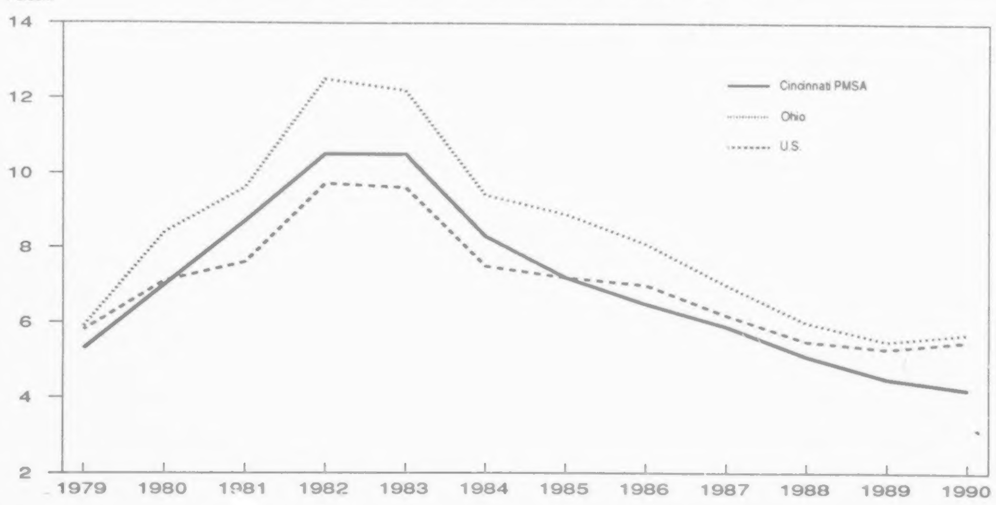
Cincinnati
Primary Metropolitan Statistical Area



The estimated annual average civilian labor force in the Cincinnati metropolitan area, distributed by place of residence, advanced 8,500 from 1989 to 786,900 in 1990. Total employment, at 754,100, gained 10,600 jobs over the year, while unemployment declined 2,000. The unemployment rate dropped from 4.5 percent in 1989 to 4.2 percent in 1990.

Nonagricultural wage and salary employment advanced 19,500 above the 1989 level to 744,000 in 1990, a 2.7 percent growth rate. Expansion in the service-producing sector contributed 90.3 percent of the increase. Significant growth in services, especially health services, business services, engineering and management services, and social services, created 9,500 jobs. Noteworthy gains were posted in government, particularly local schools, and in transportation and public utilities. Marginal upturns occurred in finance, insurance, and real estate and wholesale trade. Employment in goods-producing industries rose 1,900 over the year to 182,400 due to scattered increases in manufacturing. Improvements in transportation equipment, chemicals and allied products, and printing and publishing overshadowed production cutbacks in fabricated metal products and industrial machinery and equipment. Employment in construction was unchanged during the period.

Cincinnati PMSA, Ohio and U.S. Unemployment Rates



Cincinnati PMSA
Civilian Labor Force and Nonagricultural Wage and Salary Employment[a]
(Employed and Unemployed in Thousands)

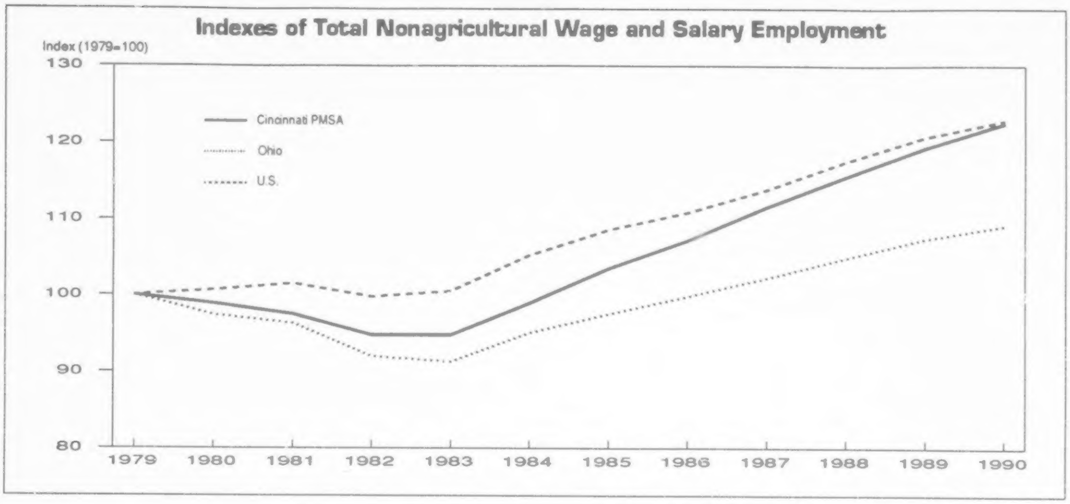
Civilian Labor Force	Employment	Unemployment	Unemployment Rates[b]				Nonagricultural Wage and Salary Employment	Goods–Producing Industries	Service–Producing Industries
			PMSA	Ohio	U.S.				
663.4	628.1	35.3	5.3	5.9	5.8	1979	607.4	200.9	406.5
676.2	628.8	47.5	7.0	8.4	7.1	1980	600.7	188.0	412.6
678.5	619.3	59.1	8.7	9.6	7.6	1981	592.2	179.8	412.4
684.3	612.4	71.9	10.5	12.5	9.7	1982	575.3	167.1	408.2
687.6	615.2	72.4	10.5	12.2	9.6	1983	575.6	161.2	414.4
695.9	638.4	57.5	8.3	9.4	7.5	1984	600.8	167.3	433.5
710.6	659.1	51.5	7.2	8.9	7.2	1985	628.1	171.0	457.1
727.8	680.7	47.2	6.5	8.1	7.0	1986	650.8	174.1	476.7
744.2	700.2	44.0	5.9	7.0	6.2	1987	677.7	175.9	501.8
761.3	722.2	39.0	5.1	6.0	5.5	1988	701.6	177.7	523.9
778.4	743.5	34.8	4.5	5.5	5.3	1989	724.5	180.5	544.1
786.9	754.1	32.8	4.2	5.7	5.5	1990	744.0	182.4	561.6

[a] Civilian labor force estimates are based on place of residence. Nonagricultural wage and salary employment estimates are based on place of work.
[b] Unemployment as percent of civilian labor force.

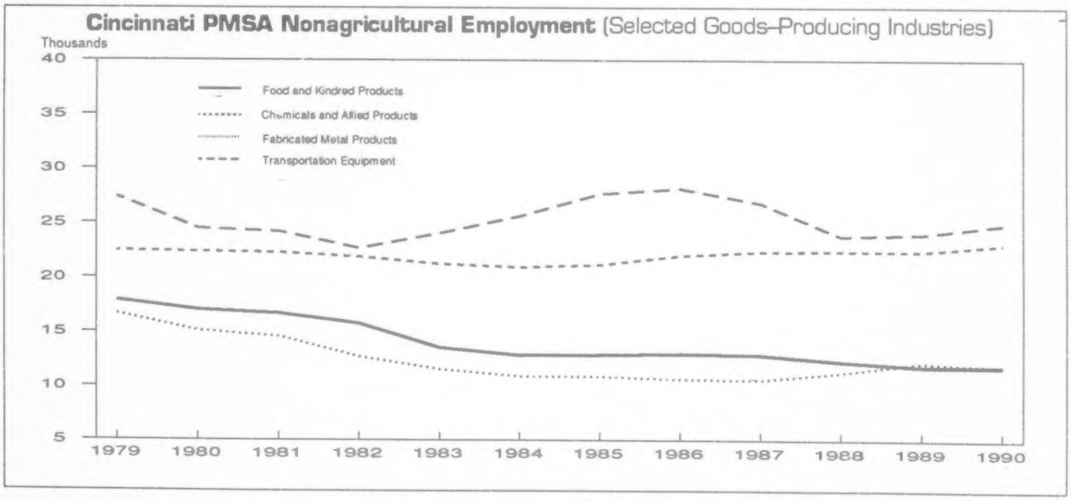
Nonfarm payroll employment in the Cincinnati area rose 168,500 since the 1983 economic downturn. Significant expansion occurred in services (+63,400) and retail trade (+36,300). Noteworthy gains were posted in government, construction, wholesale trade, and finance, insurance, and real estate. From 1979 to 1990, employment increased 136,600 or 22.5 percent. During the same period, the area lost 25,000 manufacturing jobs.

Cincinnati PMSA
Division-Level Nonagricultural Wage and Salary Employment
(Employed and Unemployed in Thousands)

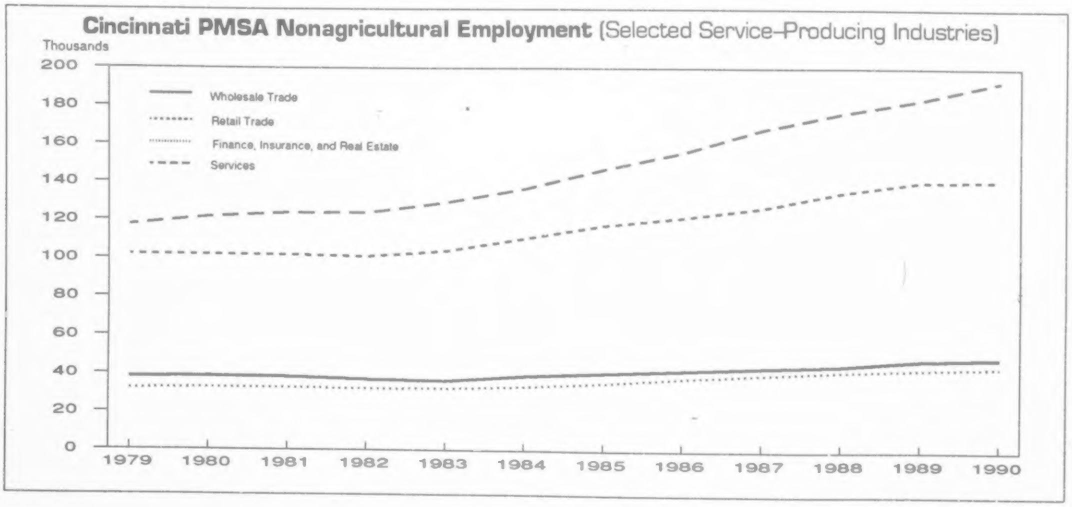
Construction	Manufacturing		Transportation & Utilities	Wholesale Trade	Retail Trade		Finance, Insurance, & Real Estate	Services	Government
27.4	173.1	1979	34.2	37.9	102.1	1979	32.1	117.4	82.8
25.3	162.4	1980	33.7	38.6	102.1	1980	32.6	121.7	83.9
22.2	157.3	1981	33.3	38.2	102.1	1981	32.6	123.9	82.4
20.4	146.3	1982	32.4	37.3	101.5	1982	32.3	124.3	80.5
20.4	140.4	1983	31.4	36.6	104.6	1983	32.8	129.7	79.2
21.9	145.0	1984	32.5	39.4	111.3	1984	33.9	137.1	79.3
23.5	147.1	1985	33.8	41.2	118.2	1985	35.7	147.1	81.2
26.1	147.7	1986	33.5	42.5	121.9	1986	38.2	155.9	84.7
29.5	146.0	1987	35.7	43.8	127.0	1987	40.4	168.0	86.8
31.6	145.7	1988	37.8	45.0	135.0	1988	42.0	176.4	87.7
33.8	146.2	1989	39.2	47.8	140.6	1989	42.9	183.6	90.1
33.9	148.1	1990	41.2	48.6	140.9	1990	43.8	193.1	94.2



Indexes of Total Nonagricultural Wage and Salary Employment



Cincinnati PMSA Nonagricultural Employment (Selected Goods–Producing Industries)



Cincinnati PMSA Nonagricultural Employment (Selected Service–Producing Industries)

Cincinnati PMSA

Nonagricultural Wage and Salary Employment, 1990[a]

(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	744.0	721.3	724.7	732.2	737.7	746.6	751.5	747.0	748.3	753.3	753.9	754.6	757.6
Goods-Producing Industries[b]	182.4	178.4	178.8	180.1	180.5	182.2	184.0	184.2	185.0	185.1	184.5	183.9	182.0
Construction	33.9	31.3	31.5	32.4	33.2	34.5	35.0	35.5	36.1	35.4	34.6	34.1	33.0
Manufacturing	148.1	146.7	147.0	147.3	146.9	147.3	148.5	148.3	148.5	149.3	149.5	149.4	148.6
Durable Goods[c]	79.8	79.5	79.7	79.8	79.8	79.9	80.2	80.0	80.0	80.4	80.1	79.4	78.7
Fabricated Metal Products	11.8	11.7	11.8	11.8	11.9	11.8	11.8	11.7	11.7	11.9	12.0	11.9	11.8
Fabricated Structural Metal Products	4.3	4.2	4.2	4.2	4.4	4.3	4.3	4.1	4.2	4.3	4.4	4.4	4.4
Industrial Machinery and Equipment	19.0	19.2	19.2	19.1	18.9	19.0	19.0	18.9	19.0	19.0	19.1	18.9	18.9
Electronic and Other Electric Equipment	8.0	8.2	8.1	8.1	8.0	8.0	8.0	7.9	7.9	7.9	8.0	7.8	7.7
Transportation Equipment	24.9	24.7	24.7	24.8	24.9	24.9	25.2	25.2	25.1	25.1	25.0	24.9	24.6
Motor Vehicles and Equipment	5.0	4.9	4.9	5.0	5.0	5.0	5.1	5.1	5.0	5.1	5.1	5.1	4.8
Instruments and Related Products	3.8	3.7	3.8	3.8	3.9	4.0	3.9	3.8	3.8	3.8	3.8	3.8	3.8
Nondurable Goods[d]	68.3	67.3	67.3	67.4	67.1	67.4	68.4	68.3	68.5	69.0	69.4	70.0	69.9
Food and Kindred Products	11.9	11.8	11.9	11.8	11.8	11.9	12.0	11.9	11.8	11.8	11.8	11.9	12.0
Beverages	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.9	2.8	2.8
Apparel and Other Textile Products	3.4	3.4	3.5	3.5	3.3	3.3	3.3	3.3	3.2	3.3	3.2	3.5	3.4
Paper and Allied Products	6.1	6.0	6.1	6.1	5.7	5.7	5.9	6.0	6.1	6.2	6.2	6.3	6.4
Printing and Publishing	14.7	14.5	14.4	14.6	14.5	14.5	14.6	14.6	14.7	14.9	15.0	15.2	15.2
Commercial Printing	6.1	6.1	5.9	6.0	5.9	5.9	5.9	6.0	6.0	6.1	6.2	6.3	6.4
Chemicals and Allied Products	23.1	22.6	22.6	22.6	22.7	22.8	23.1	23.3	23.3	23.3	23.6	23.6	23.7
Rubber and Miscellaneous Plastics Products	6.7	6.5	6.4	6.4	6.5	6.6	6.8	6.6	6.7	6.9	6.9	6.9	6.7
Service-Producing Industries	561.6	542.8	545.8	552.1	557.2	564.4	567.5	562.8	563.3	568.1	569.4	570.6	575.7
Transportation and Public Utilities	41.2	40.1	40.2	40.6	40.6	41.0	41.2	41.2	41.4	42.0	41.8	41.8	42.1
Transportation	24.5	23.7	23.8	24.2	24.1	24.4	24.5	24.4	24.6	25.2	25.1	25.1	25.3
Trucking and Warehousing	10.7	10.4	10.4	10.6	10.4	10.6	10.7	10.6	10.7	10.9	10.8	10.9	11.0
Transportation by Air	7.2	6.9	6.9	6.9	7.0	7.1	7.0	7.3	7.4	7.4	7.4	7.5	7.6
Communications, Electric, Gas Services	16.6	16.4	16.4	16.4	16.5	16.6	16.7	16.7	16.8	16.8	16.7	16.7	16.7
Communications	9.9	9.9	9.9	9.9	10.0	10.0	9.9	9.9	9.9	9.9	9.9	9.9	9.9
Wholesale Trade	48.6	48.4	48.2	48.5	48.5	48.4	48.9	48.8	48.5	48.4	48.5	48.6	49.0
Wholesale Trade-Durable Goods	28.0	28.1	28.0	28.2	28.0	27.9	28.1	28.0	27.9	27.8	27.9	27.9	28.1
Retail Trade	140.9	138.1	136.4	138.1	139.2	140.1	141.2	141.1	142.0	141.6	141.8	144.2	147.1
General Merchandise Stores	21.5	21.7	20.6	21.5	20.9	20.9	21.0	20.8	20.9	21.1	21.6	22.8	23.8
Finance, Insurance, and Real Estate	43.8	42.8	43.0	43.2	43.4	43.6	44.2	44.4	44.5	44.2	43.9	43.9	44.3
Finance	17.7	17.5	17.5	17.7	17.7	17.7	17.7	17.8	17.8	17.7	17.8	17.9	17.9

See footnotes at end of table.

RS-790-1-3 (1990)

Cincinnati PMSA

Nonagricultural Wage and Salary Employment, 1990[a] (continued)

(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Depository Institutions	13.3	13.2	13.2	13.2	13.2	13.3	13.3	13.4	13.4	13.3	13.4	13.4	13.5
Commercial Banks	9.4	9.3	9.3	9.3	9.3	9.3	9.4	9.4	9.5	9.4	9.5	9.6	9.6
Insurance	17.1	17.1	17.1	17.2	17.1	17.1	17.2	17.2	17.0	17.0	17.0	17.1	17.4
Insurance Carriers	14.4	14.4	14.4	14.4	14.4	14.4	14.5	14.5	14.3	14.3	14.3	14.4	14.6
Life Insurance	6.7	6.8	6.8	6.8	6.7	6.7	6.7	6.7	6.7	6.6	6.7	6.7	6.9
Fire, Marine, and Casualty Insurance	5.4	5.3	5.3	5.3	5.3	5.3	5.4	5.4	5.5	5.5	5.5	5.5	5.5
Services	193.1	180.9	183.0	186.1	190.0	193.7	198.0	197.8	198.5	198.9	198.2	195.6	196.4
Hotels and Other Lodging Places	7.5	7.0	7.0	7.2	7.2	7.4	7.9	7.9	8.0	7.7	7.6	7.6	7.7
Personal Services	8.6	8.7	8.8	8.9	9.0	8.5	8.5	8.5	8.4	8.5	8.6	8.5	8.7
Business Services	38.5	36.3	36.2	36.6	37.3	38.5	39.0	39.3	39.8	39.8	39.8	39.4	39.3
Services to Buildings	6.2	6.2	6.4	6.4	6.2	6.3	6.3	6.1	6.2	6.1	6.1	6.1	6.1
Computer and Data Processing Services	5.1	4.8	4.9	4.9	5.0	5.0	5.0	5.1	5.2	5.2	5.2	5.3	5.4
Amusements, Including Motion Pictures	12.4	8.6	8.5	8.9	11.7	13.5	15.5	15.4	15.2	15.0	13.4	11.2	11.5
Health Services	58.7	57.1	57.6	57.7	57.7	58.1	58.8	59.2	59.4	59.5	59.6	59.9	60.2
Nursing and Personal Care Facilities	11.3	11.0	11.2	11.1	11.1	11.2	11.4	11.4	11.5	11.5	11.5	11.5	11.5
Hospitals	28.0	27.4	27.6	27.7	27.5	27.7	28.1	28.2	28.2	28.2	28.2	28.4	28.5
Legal Services	4.4	4.1	4.2	4.2	4.2	4.3	4.4	4.4	4.4	4.4	4.5	4.5	4.5
Educational Services	7.3	6.9	7.4	7.7	7.5	7.5	7.1	6.5	6.3	7.3	7.8	8.0	7.8
Social Services	13.0	12.6	12.7	12.9	12.8	12.9	12.9	13.1	13.2	13.2	13.1	13.2	13.3
Residential Care	4.7	4.6	4.7	4.7	4.6	4.6	4.7	4.7	4.8	4.8	4.7	4.7	4.7
Engineering and Management Services	17.8	16.5	17.2	17.7	17.6	17.6	18.0	17.9	18.1	18.1	18.3	18.3	18.4
Engineering and Architectural Services	6.1	5.6	5.8	6.0	6.0	6.0	6.2	6.1	6.2	6.2	6.3	6.2	6.3
Government	94.2	92.4	95.0	95.7	95.6	97.4	94.0	89.5	88.3	93.0	95.3	96.6	96.9
Federal Government	16.6	16.2	17.4	17.6	17.7	18.2	16.7	16.4	15.9	15.9	15.7	15.7	16.1
State Government	21.2	21.3	21.7	21.8	21.7	21.7	21.1	19.6	19.7	20.1	21.2	22.1	22.2
State Government Education[e]	13.0	13.3	13.7	13.7	13.6	[illegible]	12.7	11.3	11.3	11.8	13.1	14.0	14.1
Local Government	56.3	54.9	55.9	56.3	56.1	57.6	56.2	53.5	52.7	57.0	58.3	58.8	58.6
Local Government Education	31.9	31.8	32.7	32.8	32.3	33.3	31.3	27.7	27.2	32.2	33.6	34.0	34.4

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes mining. [c]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [e]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-3 (1990)

Cincinnati PMSA

Nonagricultural Wage and Salary Employment, 1989[a]

(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	724.5	701.9	704.5	713.1	717.7	723.7	730.6	726.1	728.5	736.1	734.9	736.1	741.2
Goods-Producing Industries[b]	180.5	175.7	175.0	176.8	178.4	179.6	182.2	182.8	183.7	183.5	183.3	182.9	181.9
Construction	33.8	30.7	30.4	31.7	33.0	34.4	35.3	35.7	36.2	35.7	35.0	34.5	33.4
Manufacturing	146.2	144.6	144.2	144.8	144.9	144.8	146.4	146.7	147.1	147.3	147.9	148.0	148.1
Durable Goods[c]	79.2	78.4	77.9	78.3	78.8	78.7	79.3	79.4	79.7	79.8	80.1	80.2	80.1
Fabricated Metal Products	12.2	12.2	12.1	12.1	12.3	12.3	12.3	12.3	12.1	12.0	12.2	12.2	12.1
Fabricated Structural Metal Products	4.3	4.3	4.3	4.3	4.3	4.4	4.4	4.3	4.3	4.3	4.4	4.3	4.3
Industrial Machinery and Equipment	19.3	19.3	19.2	19.3	19.4	19.2	19.3	19.2	19.2	19.3	19.5	19.4	19.5
Electronic and Other Electric Equipment	7.9	7.7	7.7	7.8	7.8	7.8	7.9	8.0	7.9	8.0	8.1	8.1	8.2
Transportation Equipment	24.0	23.8	23.4	23.4	23.6	23.6	24.0	24.2	24.4	24.5	24.3	24.7	24.6
Motor Vehicles and Equipment	5.0	4.9	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.7	5.0	5.0
Instruments and Related Products	3.5	3.5	3.5	3.4	3.4	3.5	3.5	3.5	3.6	3.6	3.6	3.6	3.7
Nondurable Goods[d]	67.0	66.3	66.3	66.5	66.2	66.2	67.2	67.3	67.4	67.5	67.8	67.8	67.9
Food and Kindred Products	11.9	11.9	11.7	11.8	11.9	11.7	11.9	12.0	12.0	12.0	11.8	11.8	11.9
Beverages	2.9	2.9	2.9	2.8	2.8	2.8	2.8	2.8	2.9	2.9	2.8	2.8	2.9
Apparel and Other Textile Products	3.6	3.4	3.5	3.5	3.6	3.6	3.6	3.6	3.7	3.6	3.6	3.5	3.5
Paper and Allied Products	5.9	5.8	5.7	5.8	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.0	6.0
Printing and Publishing	14.3	13.7	14.0	14.0	14.0	14.0	14.2	14.3	14.4	14.5	14.7	14.8	14.8
Commercial Printing	6.2	6.1	6.1	6.1	6.1	6.1	6.2	6.1	6.2	6.2	6.3	6.3	6.3
Chemicals and Allied Products	22.5	22.5	22.5	22.5	22.1	22.1	22.5	22.5	22.4	22.4	22.6	22.6	22.7
Rubber and Miscellaneous Plastics Products	6.5	6.6	6.5	6.5	6.4	6.5	6.6	6.5	6.5	6.5	6.5	6.5	6.5
Service-Producing Industries	544.1	526.2	529.5	536.3	539.4	544.0	548.4	543.3	544.8	552.7	551.6	553.2	559.3
Transportation and Public Utilities	39.2	37.7	37.9	38.3	38.7	38.9	39.3	39.4	39.4	40.0	39.8	40.1	40.3
Transportation	23.1	22.0	22.1	22.5	22.9	23.1	23.2	23.1	23.1	23.7	23.6	24.0	24.1
Trucking and Warehousing	10.4	9.8	9.9	10.0	10.4	10.4	10.5	10.5	10.5	10.7	10.6	10.7	10.9
Transportation by Air	6.2	5.8	5.8	5.9	6.0	6.0	6.1	6.3	6.4	6.4	6.5	6.6	6.7
Communications, Electric, Gas Services	16.0	15.7	15.7	15.8	15.8	15.9	16.1	16.4	16.3	16.3	16.2	16.1	16.1
Communications	9.8	9.7	9.7	9.7	9.8	9.7	9.8	9.9	9.9	9.9	9.8	9.7	9.7
Wholesale Trade	47.8	46.7	46.9	47.3	47.1	47.3	47.9	48.3	48.4	48.3	48.3	48.3	48.3
Wholesale Trade-Durable Goods	28.3	28.2	28.3	28.4	28.1	28.0	28.2	28.5	28.7	28.5	28.4	28.2	28.1
Retail Trade	140.6	136.0	135.3	137.6	138.4	140.1	142.1	142.1	142.1	141.8	140.6	143.6	147.4
General Merchandise Stores	21.2	19.9	19.8	20.4	20.4	20.6	21.0	20.8	21.0	21.4	21.4	22.8	24.4
Finance, Insurance, and Real Estate	42.9	41.7	41.9	42.2	42.5	42.7	43.2	43.5	43.8	43.8	43.2	43.2	43.4
Finance	17.4	17.0	17.1	17.2	17.2	17.2	17.3	17.5	17.5	17.5	17.6	17.6	17.7

See footnotes at end of table.

RS-790-1-3 (1989)

Cincinnati PMSA

Nonagricultural Wage and Salary Employment, 1989[a] (continued)
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Depository Institutions	13.4	13.3	13.4	13.4	13.4	13.4	13.5	13.5	13.5	13.5	13.5	13.4	13.5
Commercial Banks	9.4	9.2	9.3	9.3	9.3	9.3	9.4	9.5	9.5	9.4	9.4	9.4	9.4
Insurance	17.1	17.1	17.0	17.1	17.2	17.2	17.3	17.3	17.3	17.2	17.0	17.1	17.1
Insurance Carriers	14.5	14.5	14.5	14.5	14.5	14.4	14.5	14.6	14.6	14.6	14.4	14.4	14.4
Life Insurance	6.9	7.0	7.0	7.0	7.0	7.0	7.0	6.9	7.0	6.9	6.8	6.8	6.8
Fire, Marine, and Casualty Insurance	5.2	5.0	5.0	4.9	5.0	5.0	5.1	5.2	5.3	5.3	5.3	5.4	5.4
Services	183.6	174.2	175.8	179.1	180.6	182.8	186.3	187.0	188.1	189.3	187.9	185.3	186.4
Hotels and Other Lodging Places	7.4	6.7	6.8	7.1	7.3	7.4	7.6	8.0	7.9	7.6	7.5	7.3	7.3
Personal Services	8.3	8.4	8.5	8.6	8.7	8.1	8.1	8.1	8.1	8.2	8.2	8.2	8.4
Business Services	36.5	35.5	35.8	36.5	35.4	35.4	35.9	36.6	37.1	37.7	38.0	37.4	37.2
Services to Buildings	5.9	5.6	5.9	5.9	5.7	5.8	5.8	5.9	6.0	6.0	6.3	6.1	6.2
Computer and Data Processing Services	4.5	4.3	4.3	4.4	4.3	4.4	4.4	4.6	4.6	4.7	4.7	4.7	4.8
Amusements, Including Motion Pictures	11.6	8.6	8.1	9.0	11.0	12.9	14.4	14.0	14.1	14.1	12.0	10.2	10.7
Health Services	56.1	54.7	55.1	55.6	55.1	55.2	55.9	56.8	57.1	57.2	56.7	56.7	57.1
Nursing and Personal Care Facilities	10.8	10.5	10.6	10.8	10.7	10.7	10.9	10.7	10.8	10.8	10.8	10.8	10.8
Hospitals	27.1	26.5	26.8	27.0	26.5	26.5	26.8	27.7	27.7	27.6	27.2	27.1	27.4
Legal Services	4.2	4.1	4.1	4.1	4.1	4.2	4.3	4.3	4.3	4.3	4.4	4.3	4.3
Educational Services	7.1	6.9	7.3	7.4	7.3	7.2	6.7	6.2	6.2	7.0	7.7	7.9	7.8
Social Services	12.0	11.7	11.7	11.8	11.7	11.8	11.9	11.9	12.1	12.2	12.2	12.3	12.5
Residential Care	4.6	4.5	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.5	4.6	4.7
Engineering and Management Services	16.5	15.6	16.0	16.0	16.1	16.4	16.7	16.6	16.7	16.9	17.1	17.1	17.3
Engineering and Architectural Services	5.6	5.5	5.5	5.3	5.4	5.5	5.7	5.5	5.6	5.7	5.7	5.7	5.7
Government	90.1	89.8	91.8	91.8	92.1	92.1	89.7	83.0	83.0	89.5	91.8	92.8	93.5
Federal Government	15.9	16.0	17.1	17.1	17.0	16.1	15.8	15.3	15.2	15.1	15.2	15.5	15.8
State Government	20.6	20.4	20.8	20.9	20.9	20.8	20.4	18.7	19.7	19.9	21.2	21.5	21.5
State Government Education[e]	12.6	12.6	13.0	13.0	13.0	12.8	12.4	10.5	11.4	11.8	13.1	13.5	13.5
Local Government	53.6	53.4	53.9	53.8	54.2	55.3	53.4	49.0	48.2	54.4	55.5	55.7	56.1
Local Government Education	30.0	30.6	31.3	31.1	30.9	31.6	29.1	24.1	23.6	30.6	31.8	32.0	32.9

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes mining. [c] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [d] Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [e] Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [f] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-3 (1989)

Cincinnati PMSA

Average Hourly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$12.03	$11.73	$11.73	$11.91	$11.74	$12.00	$12.11	$12.02	$12.18	$12.20	$12.21	$12.21	$12.35
Durable Goods[b]	11.87	11.41	11.50	11.69	11.51	11.88	11.95	11.77	12.04	12.13	12.16	12.23	12.20
Fabricated Metal Products	10.14	9.75	9.88	9.88	9.78	10.26	10.16	10.28	10.25	10.37	10.41	10.46	10.25
Fabricated Structural Metal Products	11.07	10.32	10.42	10.57	10.35	11.33	11.05	11.50	11.55	11.58	11.58	11.53	11.01
Industrial Machinery and Equipment	11.14	10.95	11.03	10.94	10.82	11.02	11.05	11.10	11.14	11.39	11.35	11.39	11.46
Electronic and Other Electric Equipment	9.42	9.26	9.10	9.34	9.17	9.36	9.13	9.54	9.53	9.66	9.55	9.63	9.83
Transportation Equipment	16.90	16.12	16.25	16.75	16.59	16.96	17.25	16.52	17.30	17.24	17.33	17.36	17.06
Motor Vehicles and Equipment	18.26	17.35	17.12	18.28	17.89	18.62	19.05	17.39	18.91	18.88	18.78	18.44	17.87
Instruments and Related Products	9.19	8.35	8.58	8.58	8.81	8.88	9.00	9.42	9.49	9.71	9.67	9.87	9.94
Nondurable Goods[c]	12.19	12.05	11.96	12.13	11.98	12.12	12.26	12.26	12.31	12.26	12.26	12.19	12.48
Food and Kindred Products	11.66	11.79	11.57	11.68	11.58	11.63	11.62	11.56	11.49	11.62	11.68	11.79	11.95
Beverages	13.54	13.25	13.28	13.50	13.63	13.62	13.58	13.38	13.41	13.53	13.59	13.77	13.90
Apparel and Other Textile Products	6.75	6.48	6.40	6.64	6.91	6.81	6.78	6.72	6.82	6.86	6.89	6.80	6.90
Paper and Allied Products	10.92	10.89	10.85	10.80	10.64	10.69	10.89	10.87	10.94	10.99	11.04	11.06	11.30
Printing and Publishing	12.28	12.00	12.30	12.09	11.98	12.07	12.20	12.41	12.38	12.52	12.40	12.53	12.47
Commercial Printing	12.36	11.90	12.43	12.17	11.90	11.97	12.19	12.47	12.55	12.78	12.40	12.77	12.65
Chemicals and Allied Products	14.72	14.58	14.28	14.72	14.42	14.70	14.90	14.76	14.94	14.75	14.84	14.67	15.04
Rubber and Miscellaneous Plastics Products	9.81	9.70	9.93	9.71	9.76	9.91	9.99	10.00	9.90	10.05	9.82	9.37	9.58
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	14.82	14.55	14.51	14.46	14.76	14.67	14.78	14.93	14.74	15.04	15.08	15.18	15.08
Communications	15.11	14.84	14.94	14.90	15.08	14.88	15.04	15.28	15.10	15.44	15.32	15.30	15.23
Wholesale Trade	11.20	11.03	11.11	11.11	11.15	11.17	11.19	11.27	11.31	11.35	11.29	11.22	11.22
Retail Trade[d]	6.26	6.12	6.19	6.17	6.20	6.25	6.29	6.26	6.27	6.35	6.35	6.35	6.35
General Merchandise Stores	7.30	6.97	7.14	7.21	7.24	7.27	7.26	7.31	7.33	7.49	7.41	7.38	7.51
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	13.26	13.15	13.13	13.10	13.19	13.23	13.19	13.39	13.21	13.37	13.33	13.41	13.41
Engineering and Management Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Engineering and Architectural Services	15.87	15.77	15.94	15.93	15.96	15.87	15.70	15.68	15.79	15.89	15.94	15.94	16.04

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [c] Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [d] Money payments only; tips not included. [f] Depressed due to labor-management disputes during part of pay period. [g] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-4-3 (1990)

Cincinnati PMSA
Average Weekly Hours of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	43.1	42.8	42.5	43.3	41.8	43.3	43.6	43.0	43.5	43.4	43.1	43.2	43.1
Durable Goods[b]	43.1	42.8	42.8	43.8	42.0	43.7	43.8	42.8	43.5	43.5	43.1	43.4	42.5
Fabricated Metal Products	42.9	42.4	42.6	43.4	42.2	44.2	42.8	43.0	43.0	43.2	42.8	43.8	41.6
Fabricated Structural Metal Products	44.7	43.1	43.3	45.4	43.9	48.2	43.7	45.5	44.7	45.0	45.5	45.9	42.0
Industrial Machinery and Equipment	42.4	42.6	43.2	42.7	41.1	42.3	42.3	42.3	42.3	42.5	42.1	43.0	42.7
Electronic and Other Electric Equipment	41.4	41.7	40.5	43.0	40.9	42.4	41.3	41.5	40.6	41.8	40.6	40.6	41.6
Transportation Equipment	46.5	45.0	45.0	47.2	43.8	47.4	48.5	44.7	48.1	47.9	47.6	47.0	45.2
Motor Vehicles and Equipment	47.8	45.7	43.5	49.3	46.2	51.0	52.4	42.6	52.7	51.2	50.8	45.9	42.0
Instruments and Related Products	43.5	43.1	42.4	43.4	42.2	42.4	43.7	44.4	43.3	44.5	43.9	43.6	45.3
Nondurable Goods[c]	42.9	42.8	42.2	42.8	41.5	42.9	43.3	43.3	43.4	43.3	43.1	42.9	43.6
Food and Kindred Products	42.8	43.7	41.9	43.2	42.0	42.9	43.2	42.3	42.0	42.9	42.5	43.0	43.5
Beverages	42.1	43.3	42.7	43.1	43.2	43.0	42.6	42.0	41.3	41.0	41.0	40.8	41.0
Apparel and Other Textile Products	38.9	39.2	38.9	37.9	38.9	40.2	38.2	38.2	38.3	39.3	39.6	39.7	38.5
Paper and Allied Products	42.2	42.4	41.8	41.3	40.4	41.9	42.8	42.6	42.2	42.5	42.3	42.9	43.2
Printing and Publishing	42.1	41.5	43.3	42.2	41.1	41.3	41.3	41.9	42.0	42.6	42.1	42.9	42.5
Commercial Printing	44.6	42.9	46.3	44.9	42.9	43.2	43.8	44.4	45.0	46.0	44.1	46.3	45.8
Chemicals and Allied Products	44.5	44.4	42.4	44.5	42.9	44.6	45.8	45.8	46.2	44.1	43.9	43.7	45.9
Rubber and Miscellaneous Plastics Products	43.3	42.0	43.1	42.9	40.7	44.0	43.8	43.3	44.4	46.3	46.4	41.5	41.3
Transportation and Public Utilities	....	....	....	....	....	....	....	....	....	....	....	....	....
Communications, Electric, Gas Services	40.0	39.9	39.2	39.4	39.8	39.7	40.3	40.7	39.9	40.1	40.1	40.6	40.2
Communications	38.9	38.9	38.5	38.7	38.9	38.8	39.3	39.6	38.9	39.4	38.7	38.7	38.6
Wholesale Trade	39.5	39.4	39.4	39.6	39.4	39.6	39.2	39.4	39.5	39.5	39.7	39.9	39.6
Retail Trade	28.2	27.5	27.6	28.1	28.1	28.2	28.5	28.7	28.5	28.0	27.9	28.0	28.7
General Merchandise Stores	30.2	30.0	29.3	29.9	30.1	30.2	30.4	30.9	30.4	30.0	29.5	29.2	32.4
Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Health Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Hospitals	32.8	32.7	32.6	32.8	32.7	32.8	32.9	32.8	32.8	32.8	32.7	32.7	32.7
Engineering and Management Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Engineering and Architectural Services	41.1	40.7	41.0	41.6	41.4	40.9	40.8	41.6	41.1	41.0	40.8	41.0	41.4

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries, miscellaneous manufacturing industries. [c] Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [f] Depressed due to labor-management disputes during part of pay period. [g] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-3-3 (1990)

Cincinnati PMSA

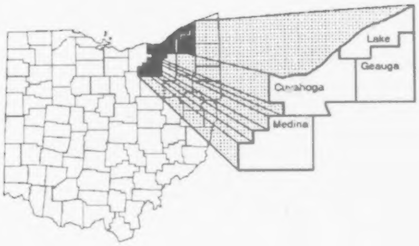
Average Weekly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$518.49	$502.04	$498.53	$515.70	$490.73	$519.60	$528.00	$516.86	$529.83	$529.48	$526.25	$527.47	$532.29
Durable Goods[b]	511.60	488.35	492.20	512.02	483.42	519.16	523.41	503.76	523.74	527.66	524.10	530.78	518.50
Fabricated Metal Products	435.01	413.40	420.89	428.79	412.72	453.49	434.85	442.04	440.75	447.98	445.55	458.15	426.40
Fabricated Structural Metal Products	494.83	444.79	451.19	479.88	454.37	546.11	482.89	523.25	516.29	521.10	526.89	529.23	462.42
Industrial Machinery and Equipment	472.34	466.47	476.50	467.14	444.70	466.15	467.42	469.53	471.22	484.08	477.84	489.77	489.34
Electronic and Other Electric Equipment	389.99	386.14	368.55	401.62	375.05	396.86	377.07	395.91	386.92	403.79	387.73	390.98	408.93
Transportation Equipment	785.85	725.40	731.25	790.60	726.64	803.90	836.63	738.44	832.13	825.80	824.91	815.92	771.11
Motor Vehicles and Equipment	872.83	792.90	744.72	901.20	826.52	949.62	998.22	740.81	996.56	966.66	954.02	846.40	750.54
Instruments and Related Products	399.77	359.89	363.79	372.37	371.78	376.51	393.30	418.25	410.92	432.10	424.51	430.33	450.28
Nondurable Goods[c]	522.95	515.74	504.71	519.16	497.17	519.95	530.86	530.86	534.25	530.86	528.41	522.95	544.13
Food and Kindred Products	499.05	515.22	484.78	504.58	486.36	498.93	501.98	488.99	482.58	498.50	496.40	506.97	519.83
Beverages	570.03	573.73	567.06	581.85	588.82	585.66	578.51	561.96	553.83	554.73	557.19	561.82	569.90
Apparel and Other Textile Products	262.58	254.02	248.96	251.66	268.80	273.76	259.00	256.70	261.21	269.60	272.84	269.96	265.65
Paper and Allied Products	460.82	461.74	453.53	446.04	429.86	447.91	466.09	463.06	461.67	467.08	466.99	474.47	488.16
Printing and Publishing	516.99	498.00	532.59	510.20	492.38	498.49	503.86	519.98	519.96	533.35	522.04	537.54	529.98
Commercial Printing	551.26	510.51	575.51	546.43	510.51	517.10	533.92	553.67	564.75	587.88	546.84	591.25	579.37
Chemicals and Allied Products	655.04	647.35	605.47	655.04	618.62	655.62	682.42	676.01	690.23	650.48	651.48	641.08	690.34
Rubber and Miscellaneous Plastics Products	424.77	407.40	427.98	416.56	397.23	436.04	437.56	433.00	439.56	465.32	455.65	388.86	395.65
Transportation and Public Utilities	......	......	......	......	......	......	......	......	......	......	......	......	......
Communications, Electric, Gas Services	592.80	580.55	568.79	569.72	587.45	582.40	595.63	607.65	588.13	603.10	604.71	616.31	606.22
Communications	587.78	577.28	575.19	576.63	586.61	577.34	591.07	605.09	587.39	608.34	592.88	592.11	587.88
Wholesale Trade	442.40	434.58	437.73	439.96	439.31	442.33	438.65	444.04	446.75	448.33	448.21	447.68	444.31
Retail Trade[d]	176.53	168.30	170.84	173.38	174.22	176.25	179.27	179.66	178.70	177.80	177.17	177.80	182.25
General Merchandise Stores	220.46	209.10	209.20	215.58	217.92	219.55	220.70	225.88	222.83	224.70	218.60	215.50	243.32
Finance, Insurance, and Real Estate	......	......	......	......	......	......	......	......	......	......	......	......	......
Finance	......	......	......	......	......	......	......	......	......	......	......	......	......
Depository Institutions	302.80	303.43	302.94	299.26	301.48	302.19	303.35	306.89	304.58	301.49	304.89	300.40	302.60
Commercial Banks	272.51	273.04	272.10	271.23	273.42	272.79	273.27	273.96	272.15	269.56	275.69	268.89	274.12
Insurance	......	......	......	......	......	......	......	......	......	......	......	......	......
Insurance Carriers	414.33	407.47	409.27	410.40	414.19	415.21	415.22	414.65	415.11	415.40	416.52	415.93	422.26
Life Insurance	420.68	418.13	420.00	419.57	423.32	424.68	425.19	425.53	422.77	419.83	416.87	414.17	418.43
Fire, Marine, and Casualty Insurance	429.50	418.44	421.73	421.28	425.47	430.99	425.71	422.65	425.81	431.34	436.08	438.40	452.75
Services	......	......	......	......	......	......	......	......	......	......	......	......	......
Health Services	......	......	......	......	......	......	......	......	......	......	......	......	......
Hospitals	434.93	430.01	428.04	429.68	431.31	433.94	433.95	439.19	433.29	438.54	435.89	438.51	438.51
Engineering and Management Services	......	......	......	......	......	......	......	......	......	......	......	......	......
Engineering and Architectural Services	652.26	641.84	653.54	662.69	660.74	649.08	640.56	652.29	648.97	651.49	650.35	653.54	664.06

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; miscellaneous manufacturing industries. [c] Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [d] Money payments only; tips not included. [f] Depressed due to labor-management disputes during part of pay period. [g] Not comparable to previous estimates.

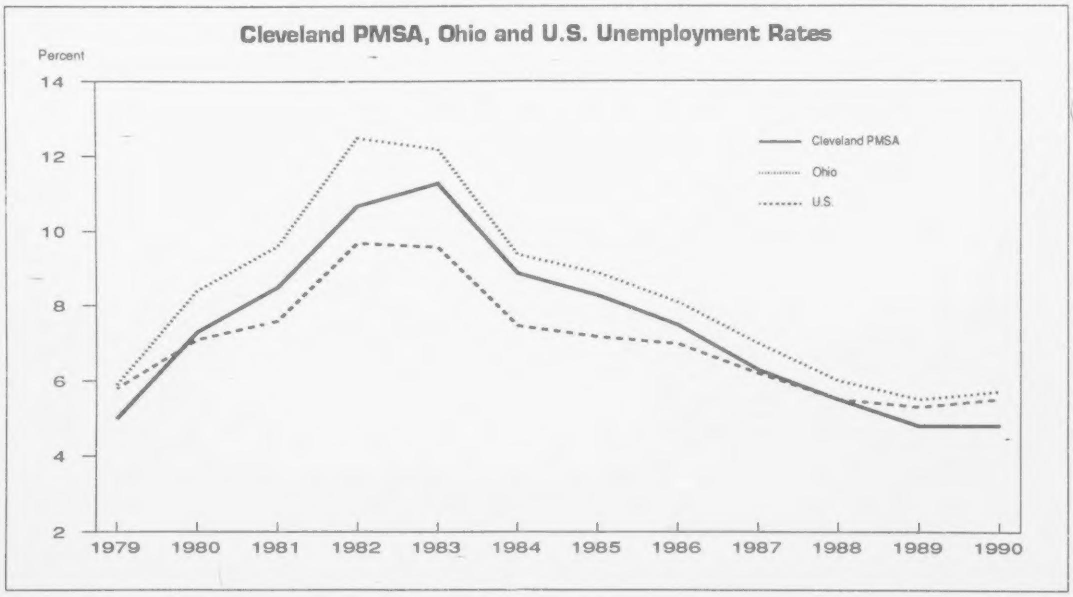
Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-2-3 (1990)

Cleveland
Primary Metropolitan Statistical Area



In the Cleveland metropolitan area, the estimated annual average civilian labor force, distributed by place of residence, increased 1,300 from 1989 to 954,800 in 1990. Total employment, at 909,100, rose 1,600 over the year, while the number of unemployed workers decreased 300. The unemployment rate was unchanged from the 1989 level at 4.8 percent in 1990.

Nonagricultural wage and salary employment advanced 14,400 above the year-ago level to 950,200 in 1990, a 1.5 percent gain. Expansion in the service-producing sector contributed 95.1 percent of the improvement. Leading growth industries were services (+6,300) and retail trade (+4,300). Noteworthy increases were posted in local government, finance, insurance, and real estate, and transportation and public utilities. Employment in wholesale trade declined. The number of jobs in goods-producing industries rose 700 in 1990 to 242,200 as growth in construction outweighed cutbacks in manufacturing. Over-the-year reductions in primary metal industries, industrial machinery and equipment, and transportation equipment negated improvements in printing and publishing and chemicals and allied products.



Cleveland PMSA
Civilian Labor Force and Nonagricultural Wage and Salary Employment[a]

[Employed and Unemployed in Thousands]

Civilian Labor Force	Employment	Unemployment	Unemployment Rates[b] PMSA	Unemployment Rates[b] Ohio	Unemployment Rates[b] U.S.		Nonagricultural Wage and Salary Employment	Goods–Producing Industries	Service–Producing Industries
935.8	889.1	46.7	5.0	5.9	5.8	1979	919.8	311.5	608.4
937.1	869.1	68.0	7.3	8.4	7.1	1980	895.7	286.1	609.5
933.9	854.0	79.8	8.5	9.6	7.6	1981	880.7	275.7	605.0
933.4	833.2	100.2	10.7	12.5	9.7	1982	844.6	249.2	595.4
928.7	823.4	105.3	11.3	12.2	9.6	1983	829.8	233.8	596.0
923.6	841.0	82.6	8.9	9.4	7.5	1984	854.5	242.6	611.8
926.0	849.2	76.8	8.3	8.9	7.2	1985	868.7	239.9	628.8
932.8	862.7	70.1	7.5	8.1	7.0	1986	879.2	232.3	646.9
927.0	869.0	58.0	6.3	7.0	6.2	1987	891.6	230.1	661.5
936.5	885.0	51.4	5.5	6.0	5.5	1988	911.3	233.6	677.7
953.5	907.5	46.0	4.8	5.5	5.3	1989	935.8	241.5	694.3
954.8	909.1	45.7	4.8	5.7	5.5	1990	950.2	242.2	708.0

[a] Civilian labor force estimates are based on place of residence. Nonagricultural wage and salary employment estimates are based on place of work.

[b] Unemployment as percent of civilian labor force.

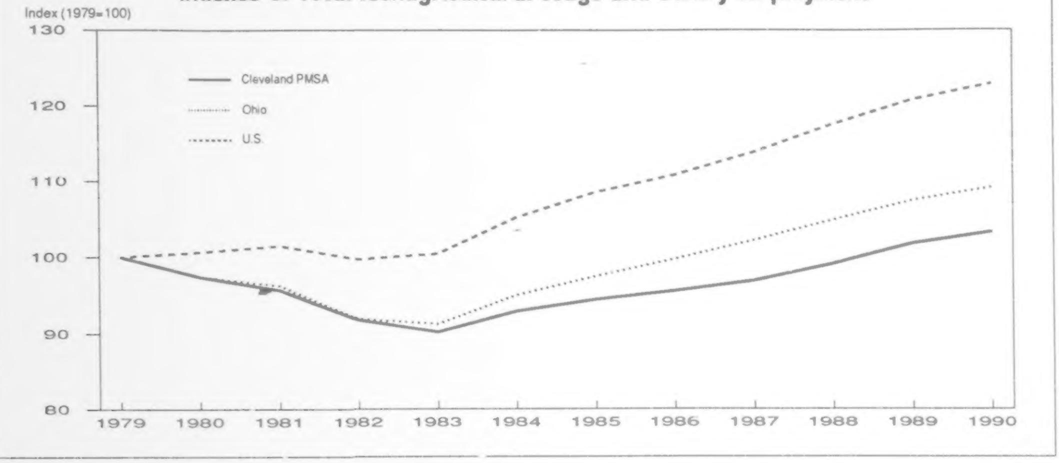
Nonfarm payroll employment in the Cleveland area gained 120,400 jobs since the 1983 economic downturn. Significant expansion occurred in services (+64,000) and retail trade (+27,100). Noteworthy growth was posted in finance, insurance, and real estate, construction, and wholesale trade. From 1979 to 1990, employment rose 30,300 or 3.3 percent. During the same period, the area lost 69,700 manufacturing jobs. Transportation and public utilities declined 4,900.

Cleveland PMSA
Division-Level Nonagricultural Wage and Salary Employment

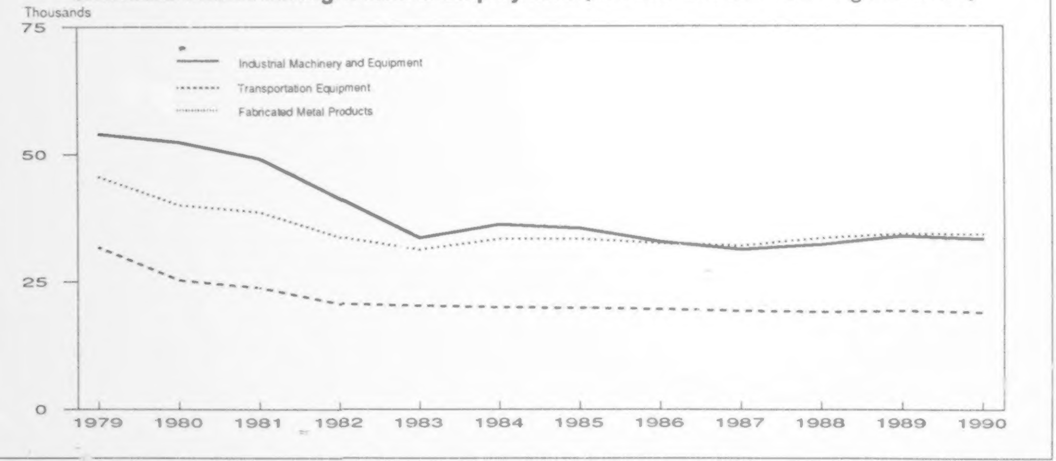
[Employed and Unemployed in Thousands]

Construction	Manufacturing		Transportation & Utilities	Wholesale Trade	Retail Trade		Finance, Insurance, & Real Estate	Services	Government
33.5	276.3	1979	47.8	65.5	146.5	1979	47.9	182.5	118.2
29.8	254.9	1980	45.9	64.1	141.1	1980	48.2	187.5	122.6
27.6	246.8	1981	44.8	63.0	137.4	1981	48.2	191.8	119.7
25.0	223.0	1982	43.0	60.8	134.3	1982	48.4	192.2	116.7
25.3	207.3	1983	40.9	59.1	135.7	1983	48.4	195.7	116.1
27.6	213.8	1984	41.6	61.5	140.7	1984	48.5	204.3	115.3
27.5	211.2	1985	41.1	63.0	146.2	1985	49.5	213.2	115.7
26.4	204.9	1986	41.4	62.1	150.5	1986	51.8	224.8	116.2
28.4	200.6	1987	41.5	61.1	153.7	1987	54.9	233.5	116.8
29.4	203.3	1988	41.5	63.7	156.9	1988	56.1	243.3	116.3
33.0	207.6	1989	42.1	65.3	158.6	1989	57.1	253.4	117.9
34.7	206.6	1990	42.9	65.1	162.8	1990	58.0	259.7	119.6

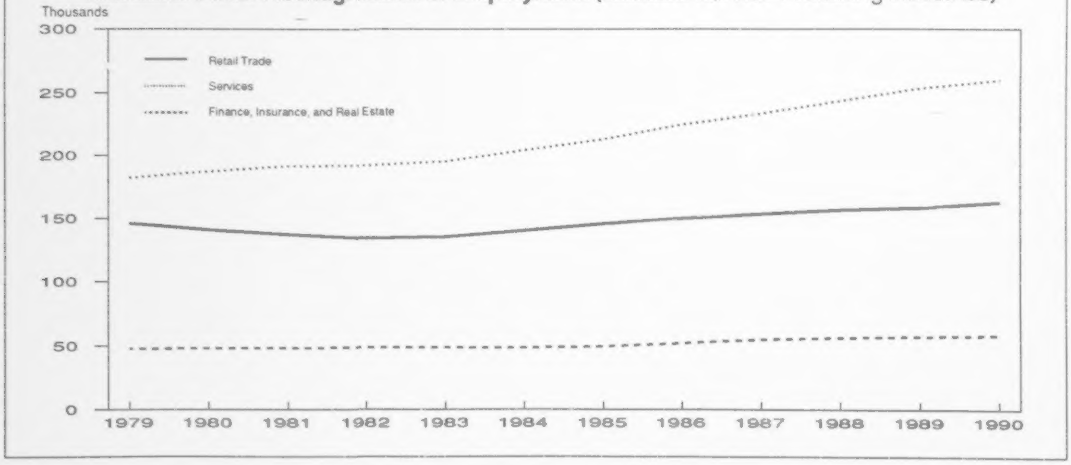
Indexes of Total Nonagricultural Wage and Salary Employment



Cleveland PMSA Nonagricultural Employment (Selected Goods-Producing Industries)



Cleveland PMSA Nonagricultural Employment (Selected Service-Producing Industries)



Cleveland PMSA
Nonagricultural Wage and Salary Employment, 1990^a
(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	950.2	925.5	927.7	936.9	940.9	953.2	965.2	962.7	956.3	960.3	959.4	956.5	957.6
Goods-Producing Industries^b	242.2	236.1	237.2	239.0	240.1	242.5	246.2	246.5	245.0	246.1	245.7	242.2	239.7
Construction	34.7	29.9	30.1	31.3	32.6	34.7	36.8	37.8	38.1	37.8	37.3	36.1	34.3
Special Trade Contractors	24.1	20.9	21.0	21.8	22.6	24.0	25.5	26.3	26.4	26.0	25.8	25.2	24.1
Manufacturing	206.6	205.4	206.3	206.9	206.8	207.0	208.6	207.8	206.1	207.4	207.6	205.2	204.5
Durable Goods^c	140.6	139.8	140.8	141.2	141.6	141.3	142.0	141.5	140.1	140.8	140.9	138.8	138.1
Stone, Clay, and Glass Products	3.6	3.4	3.4	3.5	3.6	3.6	3.7	3.7	3.7	3.6	3.6	3.7	3.5
Primary Metal Industries	20.4	20.8	20.4	20.6	20.4	20.3	20.5	20.3	20.3	20.5	20.3	20.3	20.1
Iron and Steel Foundries	4.4	4.4	4.4	4.4	4.4	4.3	4.4	4.4	4.2	4.4	4.4	4.4	4.5
Fabricated Metal Products	34.3	33.0	34.1	34.1	34.3	34.4	34.8	34.6	34.5	34.5	35.0	34.1	34.1
Screw Machine Products, Bolts, etc.	5.2	5.1	5.2	5.1	5.1	5.1	5.2	5.2	5.2	5.2	5.2	5.2	5.2
Metal Forgings and Stampings	10.9	10.0	11.0	11.0	11.0	11.0	11.1	11.0	11.0	10.9	11.2	10.5	10.7
Industrial Machinery and Equipment	33.4	33.6	33.6	33.6	33.6	33.5	33.6	33.5	33.5	33.2	33.0	32.8	32.9
Metalworking Machinery	12.9	13.0	13.0	13.1	13.0	12.9	13.0	13.1	12.9	12.8	12.8	12.8	12.8
Electronic and Other Electric Equipment	15.4	15.6	15.6	15.6	15.6	15.5	15.6	15.6	15.4	15.4	15.2	15.2	15.2
Electrical Industrial Apparatus	4.2	4.3	4.3	4.3	4.2	4.2	4.2	4.1	4.1	4.2	4.1	4.1	4.1
Electric Lighting and Wiring Equipment	5.2	5.3	5.3	5.4	5.2	5.2	5.3	5.3	5.1	5.1	5.1	5.1	5.2
Transportation Equipment	19.0	18.9	19.4	19.4	19.5	19.5	19.4	19.4	18.6	19.3	19.3	18.2	17.6
Motor Vehicles and Equipment	11.5	11.4	11.9	11.9	12.0	11.9	11.9	11.8	11.1	11.9	11.8	10.7	10.1
Instruments and Related Products	7.3	7.2	7.2	7.2	7.3	7.3	7.2	7.3	7.1	7.1	7.3	7.4	7.4
Measuring and Controlling Devices	5.0	4.8	4.8	4.8	4.9	4.9	4.9	5.0	5.0	5.0	5.2	5.1	5.2
Nondurable Goods^d	66.1	65.6	65.5	65.7	65.1	65.7	66.6	66.3	66.0	66.6	66.8	66.4	66.4
Food and Kindred Products	6.5	6.4	6.5	6.5	6.4	6.5	6.5	6.4	6.1	6.8	6.7	6.7	6.7
Apparel and Other Textile Products	3.2	3.2	3.3	3.2	3.2	3.2	3.2	3.2	3.1	3.2	3.2	3.3	3.3
Paper and Allied Products	5.9	5.9	5.9	5.8	5.9	5.9	6.0	5.9	5.9	5.9	6.0	6.0	6.0
Printing and Publishing	17.4	16.9	16.9	17.1	17.1	17.3	17.7	17.8	17.7	17.7	17.7	17.6	17.8
Chemicals and Allied Products	14.9	15.1	15.1	15.2	14.6	14.7	14.9	15.1	15.1	14.8	14.6	14.7	14.8
Rubber and Miscellaneous Plastics Products	11.8	11.7	11.6	11.6	11.7	11.8	12.0	11.6	11.7	11.8	12.1	11.8	11.6
Miscellaneous Plastics Products	7.4	7.1	7.1	7.1	7.2	7.3	7.5	7.3	7.4	7.5	7.8	7.7	7.6
Service-Producing Industries	708.0	689.4	690.5	697.9	700.8	710.8	719.0	716.2	711.3	714.2	713.7	714.3	718.0
Transportation and Public Utilities	42.9	42.1	41.7	42.2	42.6	43.3	43.2	43.3	43.1	43.2	43.0	43.0	43.4
Transportation	25.3	24.3	23.9	24.4	24.9	25.6	25.5	25.7	25.8	26.0	25.8	25.8	26.2
Trucking and Warehousing	11.5	11.1	11.2	11.3	11.2	11.4	11.4	11.5	11.6	11.6	11.6	11.7	12.1
Transportation by Air	5.3	5.1	5.2	5.3	5.2	5.2	5.3	5.2	5.3	5.4	5.3	5.4	5.4
Communications, Electric, Gas Services	17.5	17.8	17.8	17.8	17.8	17.7	17.7	17.6	17.4	17.3	17.2	17.2	17.2
Communications	10.4	10.5	10.5	10.5	10.4	10.4	10.4	10.4	10.4	10.4	10.3	10.3	10.3
Electric, Gas, and Sanitary Services	7.2	7.3	7.3	7.3	7.4	7.4	7.3	7.2	7.0	6.9	6.9	7.0	7.0

See footnotes at end of table.

RS-790-1-4 (1990)

Cleveland PMSA

Nonagricultural Wage and Salary Employment, 1990[a] (continued)

(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Wholesale Trade	65.1	64.2	64.1	64.4	64.8	65.1	65.8	65.6	65.7	65.3	65.4	65.2	65.3
Wholesale Trade-Durable Goods	44.6	43.9	43.9	44.2	44.4	44.6	45.0	45.0	45.0	44.8	44.9	44.7	44.8
Motor Vehicles, Parts, and Supplies	4.1	4.2	4.1	4.1	4.1	4.1	4.2	4.2	4.2	4.2	4.2	4.2	4.2
Professional and Commercial Equipment	9.2	9.4	9.3	9.3	9.2	9.2	9.2	9.2	9.2	9.1	9.1	9.0	9.0
Retail Trade	162.8	159.1	156.7	157.6	159.0	161.9	164.4	164.6	165.2	164.8	164.7	166.2	169.8
General Merchandise Stores	20.6	21.2	19.9	19.8	19.9	20.3	20.5	20.2	20.2	20.4	20.8	21.6	22.5
Finance, Insurance, and Real Estate	58.0	56.9	57.1	57.5	57.4	57.8	58.5	58.8	58.9	58.5	58.3	58.1	58.1
Finance	27.9	27.9	27.8	27.9	27.7	27.8	28.0	28.2	28.2	27.8	27.7	27.7	27.6
Depository Institutions	20.5	20.5	20.4	20.4	20.3	20.4	20.6	20.8	20.8	20.5	20.4	20.3	20.3
Commercial Banks	13.0	12.8	12.9	12.8	12.9	13.0	13.2	13.3	13.3	13.1	13.0	12.9	12.9
Insurance	19.0	18.4	18.5	18.8	18.8	18.9	19.1	19.0	19.2	19.1	19.2	19.2	19.2
Insurance Carriers	14.2	13.7	13.9	14.0	14.1	14.2	14.3	14.3	14.4	14.4	14.4	14.4	14.4
Fire, Marine, and Casualty Insurance	6.3	6.1	6.2	6.3	6.3	6.3	6.4	6.3	6.4	6.3	6.3	6.3	6.3
Services	259.7	248.6	250.9	255.0	256.4	259.8	264.1	264.0	264.8	265.5	263.3	262.3	261.4
Business Services	52.4	49.5	50.1	50.9	51.2	52.5	53.4	53.7	54.1	54.2	53.3	52.8	52.6
Personnel Supply Services	19.5	18.2	18.6	19.3	18.8	19.7	19.9	20.0	20.3	20.4	20.1	19.7	19.4
Computer and Data Processing Services	6.6	6.2	6.3	6.3	6.5	6.5	6.7	6.9	6.8	6.9	6.8	6.9	6.9
Amusements, Including Motion Pictures	12.1	9.8	9.8	10.8	11.5	12.7	13.8	14.1	14.3	13.6	11.8	11.3	11.4
Health Services	80.1	79.0	79.1	79.5	79.6	79.6	80.3	80.6	80.8	80.9	80.7	80.6	80.9
Nursing and Personal Care Facilities	14.3	13.8	13.9	14.1	14.2	14.2	14.4	14.5	14.7	14.6	14.4	14.4	14.4
Hospitals	43.2	43.5	43.3	43.4	43.0	43.0	43.2	43.3	43.1	43.3	43.0	42.9	43.1
Legal Services	9.8	9.5	9.6	9.5	9.7	9.6	10.0	10.1	10.0	9.8	9.7	9.7	9.8
Educational Services	17.6	17.9	18.5	19.2	17.6	17.7	17.0	15.3	15.0	17.0	18.8	19.1	18.0
Social Services	15.0	14.2	14.4	14.5	14.9	14.9	15.0	15.1	15.1	15.3	15.3	15.4	15.6
Residential Care	4.1	3.9	3.9	4.0	4.1	4.1	4.2	4.2	4.2	4.2	4.2	4.2	4.3
Engineering and Management Services	22.5	22.1	22.3	22.4	22.1	22.2	22.5	22.7	23.0	22.9	22.9	22.7	22.8
Engineering and Architectural Services	8.3	8.4	8.4	8.4	8.1	8.2	8.3	8.4	8.5	8.4	8.3	8.2	8.3
Accounting, Auditing, and Bookkeeping	6.3	6.3	6.4	6.4	6.4	6.2	6.2	6.3	6.4	6.4	6.4	6.4	6.4
Management and Public Relations	5.1	4.8	4.9	5.0	4.9	5.0	5.1	5.2	5.3	5.3	5.2	5.2	5.2
Government	119.6	118.4	119.9	121.3	120.6	122.8	123.1	119.9	113.7	116.9	119.0	119.5	119.9
Federal Government	20.4	20.5	20.3	20.5	20.7	22.2	21.1	20.6	20.0	19.7	19.7	19.7	19.9
State Government	8.2	7.9	8.3	8.5	8.5	8.1	8.7	7.9	8.0	7.8	8.3	8.3	8.6
State Government Education[e]	3.2	2.9	3.4	3.5	3.4	3.2	3.5	2.7	2.7	2.7	3.4	3.4	3.7
Local Government	90.9	90.0	91.3	92.3	91.4	92.5	93.3	91.3	85.7	89.5	91.0	91.5	91.4
Local Government Education	45.0	46.1	47.1	47.9	46.8	47.1	45.1	41.2	37.5	43.0	45.6	46.1	45.9

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes mining. [c] Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [d] Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [e] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [f] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-4 (1990)

Cleveland PMSA

Nonagricultural Wage and Salary Employment, 1989[a]
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	935.8	908.4	911.5	920.7	921.7	933.7	944.8	948.9	947.5	947.7	946.2	947.9	950.8
Goods-Producing Industries[b]	241.5	233.8	234.1	236.4	238.1	241.6	244.8	245.6	245.8	246.1	244.6	244.2	242.7
Construction	33.0	27.5	27.1	28.7	31.1	33.3	35.1	36.7	36.8	36.5	35.8	34.9	33.1
Special Trade Contractors	22.6	18.5	18.3	19.2	20.8	22.5	23.8	25.3	25.6	25.5	24.7	24.2	23.1
Manufacturing	207.6	205.4	206.1	206.9	206.2	207.4	208.9	208.0	208.2	208.8	208.0	208.5	208.8
Durable Goods[c]	142.5	141.7	141.9	142.6	141.9	142.6	143.2	142.6	142.6	143.3	142.4	142.7	143.0
Stone, Clay, and Glass Products	3.6	3.4	3.4	3.5	3.6	3.6	3.7	3.7	3.7	3.6	3.7	3.6	3.5
Primary Metal Industries	21.3	21.3	21.1	21.2	21.2	21.4	21.4	21.5	21.6	21.7	21.3	21.2	21.0
Iron and Steel Foundries	4.6	4.7	4.6	4.7	4.6	4.7	4.6	4.7	4.7	4.6	4.6	4.5	4.5
Fabricated Metal Products	34.4	34.7	34.6	34.7	34.2	34.2	34.4	34.3	34.2	34.2	34.0	34.2	34.5
Screw Machine Products, Bolts, etc.	5.2	5.2	5.1	5.2	5.2	5.2	5.3	5.2	5.2	5.2	5.2	5.2	5.2
Metal Forgings and Stampings	11.1	11.4	11.5	11.4	11.1	11.0	10.9	10.9	10.8	11.0	10.8	11.1	11.1
Industrial Machinery and Equipment	34.0	33.3	33.5	33.7	33.6	33.8	34.4	34.3	34.0	34.0	34.3	34.2	34.4
Metalworking Machinery	13.3	12.8	12.9	13.1	13.1	13.1	13.5	13.4	13.3	13.2	13.5	13.5	13.6
Electronic and Other Electric Equipment	15.6	15.5	15.5	15.7	15.3	15.4	15.5	15.4	15.5	15.5	15.6	15.8	15.9
Electrical Industrial Apparatus	4.3	4.2	4.3	4.4	4.3	4.3	4.4	4.4	4.4	4.4	4.3	4.3	4.4
Electric Lighting and Wiring Equipment	5.2	5.2	5.2	5.3	5.2	5.2	5.2	5.2	5.2	5.2	5.3	5.3	5.4
Transportation Equipment	19.3	19.2	19.3	19.4	19.5	19.7	19.4	19.0	19.2	19.6	19.3	19.3	19.3
Motor Vehicles and Equipment	12.0	12.0	12.1	12.1	12.2	12.3	12.0	11.6	11.8	12.1	11.9	11.9	11.9
Instruments and Related Products	7.1	6.9	6.9	6.9	7.1	7.2	7.3	7.2	7.2	7.2	7.1	7.1	7.1
Measuring and Controlling Devices	4.9	4.8	4.8	4.8	4.8	4.9	4.9	4.9	4.9	4.9	4.9	4.8	4.8
Nondurable Goods[d]	65.1	63.8	64.2	64.3	64.3	64.9	55.7	65.4	65.5	65.5	65.6	65.7	65.8
Food and Kindred Products	6.7	6.6	6.6	6.6	6.6	6.6	6.7	6.8	6.7	6.8	6.7	6.7	6.8
Apparel and Other Textile Products	3.3	3.4	3.4	3.4	3.4	3.3	3.3	3.4	3.4	3.3	3.3	3.3	3.3
Paper and Allied Products	6.0	6.0	6.0	6.0	5.9	6.0	6.0	6.0	6.1	6.0	6.0	6.0	6.0
Printing and Publishing	16.7	16.1	16.4	16.4	16.4	16.7	16.9	16.5	16.5	16.7	16.9	17.1	17.3
Chemicals and Allied Products	14.7	14.3	14.4	14.5	14.5	14.6	14.8	14.9	15.0	14.8	14.7	14.7	14.7
Rubber and Miscellaneous Plastics Products	11.9	11.8	11.9	11.9	11.9	11.9	12.0	11.8	11.8	11.8	11.9	11.8	11.7
Miscellaneous Plastics Products	7.2	7.1	7.2	7.2	7.2	7.1	7.2	7.1	7.1	7.2	7.2	7.2	7.2
Service-Producing Industries	694.3	674.6	677.4	684.3	683.6	692.1	700.0	703.3	701.6	701.6	701.7	703.7	708.1
Transportation and Public Utilities	42.1	40.6	40.1	40.6	41.3	42.1	42.4	42.8	42.7	42.9	42.8	43.2	43.5
Transportation	24.5	23.2	22.8	23.3	23.9	24.5	24.8	25.0	24.9	25.2	25.2	25.5	25.8
Trucking and Warehousing	11.3	11.0	11.0	11.0	10.9	11.3	11.3	11.4	11.4	11.4	11.5	11.7	12.1
Transportation by Air	4.9	4.8	4.8	4.8	4.8	4.8	4.9	4.8	4.9	5.0	5.0	5.0	5.1
Communications, Electric, Gas Services	17.6	17.4	17.3	17.3	17.4	17.5	17.6	17.8	17.8	17.7	17.6	17.7	17.7
Communications	10.3	10.3	10.3	10.2	10.3	10.4	10.3	10.4	10.4	10.4	10.3	10.3	10.3
Electric, Gas, and Sanitary Services	7.2	7.1	7.1	7.1	7.1	7.2	7.3	7.4	7.4	7.4	7.3	7.3	7.3

See footnotes at end of table.

RS-790-1-4 (1989)

Cleveland PMSA

Nonagricultural Wage and Salary Employment, 1989^a (continued)
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Wholesale Trade	65.3	64.8	64.9	65.5	65.3	65.5	65.9	66.0	66.0	65.5	65.1	64.8	64.7
Wholesale Trade-Durable Goods	44.5	44.1	44.2	44.7	44.6	44.7	44.9	45.1	45.0	44.7	44.3	44.0	44.0
Motor Vehicles, Parts, and Supplies	4.2	4.1	4.1	4.2	4.2	4.2	4.2	4.2	4.2	4.3	4.2	4.2	4.2
Professional and Commercial Equipment	9.1	8.8	8.9	9.0	9.1	9.1	9.1	9.1	9.2	9.2	9.2	9.2	9.3
Retail Trade	158.6	154.5	153.8	154.8	155.1	157.1	159.6	160.1	160.3	159.4	160.0	162.0	166.3
General Merchandise Stores	20.7	20.3	20.7	20.6	20.3	20.0	20.4	20.3	20.3	20.3	20.7	21.6	23.1
Finance, Insurance, and Real Estate	57.1	56.1	56.3	56.5	56.2	56.5	57.2	57.8	57.9	57.7	57.3	57.4	57.7
Finance	27.9	27.6	27.7	27.8	27.4	27.5	27.8	28.1	28.2	28.2	27.9	28.0	28.2
Depository Institutions	20.6	20.6	20.5	20.5	20.3	20.3	20.5	20.7	20.7	20.6	20.6	20.6	20.7
Commercial Banks	12.8	12.6	12.6	12.6	12.7	12.8	12.9	13.1	13.1	13.0	12.9	12.9	13.0
Insurance	18.4	18.1	18.2	18.2	18.4	18.3	18.5	18.7	18.6	18.6	18.5	18.5	18.7
Insurance Carriers	13.8	13.6	13.7	13.7	13.9	13.9	14.0	14.0	13.9	13.9	13.7	13.8	13.9
Fire, Marine, and Casualty Insurance	6.2	6.3	6.3	6.2	6.3	6.3	6.4	6.3	6.3	6.3	6.1	6.1	6.2
Services	253.4	242.3	244.8	247.9	249.9	252.2	255.0	258.2	259.5	259.8	257.6	257.0	256.3
Business Services	51.9	50.0	50.1	51.1	50.5	51.1	51.7	53.2	53.9	54.2	52.6	52.1	52.1
Personnel Supply Services	20.1	19.5	19.3	19.9	18.9	19.3	19.3	20.7	21.0	21.4	21.0	20.5	20.4
Computer and Data Processing Services	6.3	5.9	6.0	6.1	6.3	6.4	6.4	6.6	6.6	6.6	6.3	6.3	6.4
Amusements, Including Motion Pictures	11.8	9.2	9.3	9.9	11.2	12.5	13.6	14.1	14.3	13.6	11.8	11.3	11.3
Health Services	78.8	77.3	77.5	77.6	77.8	77.9	78.9	79.8	80.1	79.8	79.4	79.6	79.6
Nursing and Personal Care Facilities	13.4	12.9	13.1	13.2	13.1	13.2	13.3	13.5	13.7	13.6	13.5	13.6	13.5
Hospitals	43.9	43.5	43.4	43.5	43.5	43.5	44.1	44.5	44.6	44.3	43.9	43.9	43.8
Legal Services	9.4	9.1	9.1	9.2	9.2	9.3	9.7	9.7	9.7	9.6	9.6	9.6	9.6
Educational Services	17.9	17.8	19.2	19.3	19.1	18.7	16.7	15.3	14.9	16.8	19.0	19.4	18.6
Social Services	13.7	13.1	13.1	13.2	13.2	13.3	13.3	13.8	13.8	14.1	14.2	14.3	14.5
Residential Care	3.7	3.4	3.4	3.4	3.5	3.5	3.5	3.8	3.9	3.9	3.9	4.0	4.0
Engineering and Management Services	21.4	20.5	20.8	20.9	20.9	20.9	21.3	21.9	22.1	21.9	21.9	22.0	22.2
Engineering and Architectural Services	7.7	7.2	7.4	7.5	7.5	7.6	7.8	8.0	8.0	7.9	7.9	7.9	8.1
Accounting, Auditing, and Bookkeeping	6.6	6.6	6.7	6.6	6.6	6.4	6.4	6.5	6.6	6.5	6.6	6.6	6.6
Management and Public Relations	4.5	4.2	4.2	4.3	4.3	4.3	4.4	4.6	4.7	4.8	4.7	4.8	4.8
Government	117.9	116.4	117.4	119.0	115.7	118.7	119.8	118.4	115.3	116.3	118.9	119.4	119.6
Federal Government	20.7	20.7	20.6	20.7	20.5	20.7	20.9	20.8	20.9	20.7	20.4	20.5	20.7
State Government	8.0	7.8	8.2	8.3	8.5	8.0	8.0	7.7	7.7	7.5	8.1	7.9	8.4
State Government Education[e]	3.0	2.9	3.3	3.4	3.3	3.1	3.0	2.5	2.5	2.5	3.2	3.1	3.5
Local Government	89.2	87.9	88.6	90.1	86.7[f]	90.0	90.8	89.8	86.7	88.1	90.3	91.0	90.5
Local Government Education	45.1	45.2	46.1	47.2	46.2	46.6	44.8	42.2	39.5	43.9	46.3	47.0	46.5

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes mining. [c] Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [d] Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [e] Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [f] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-4 (1989)

Cleveland PMSA

Average Hourly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$12.13	$11.71	$11.91	$12.16	$11.99	$12.28	$12.31	$12.14	$12.14	$12.31	$12.29	$12.18	$12.17
Durable Goods[b]	12.69	12.17	12.42	12.72	12.56	12.89	12.94	12.70	12.70	12.89	12.86	12.73	12.67
Stone, Clay, and Glass Products	11.91	11.78	11.72	11.88	11.91	11.95	11.85	11.92	12.04	12.16	11.92	11.84	11.92
Primary Metal Industries	12.30	11.96	11.98	12.27	12.42	12.50	12.66	11.88	12.05	12.57	12.28	12.53	12.50
Iron and Steel Foundries	18.27	17.30	17.48	13.28	18.85	18.98	19.22	17.36	17.93	19.01	17.96	18.48	18.03
Fabricated Metal Products	12.75	12.21	12.60	12.84	12.53	12.87	12.84	12.57	12.84	12.88	13.01	12.79	13.02
Screw Machine Products, Bolts, etc.	12.24	11.89	11.98	12.22	11.83	12.50	12.45	12.52	12.42	12.43	12.21	12.05	12.29
Metal Forgings and Stampings	15.60	14.90	15.45	15.76	15.35	15.81	15.77	15.17	15.76	15.72	15.86	15.71	15.85
Industrial Machinery and Equipment	12.32	11.78	11.92	12.29	12.17	12.50	12.45	12.40	12.48	12.42	12.52	12.57	12.33
Metalworking Machinery	12.08	11.71	12.04	12.24	12.08	12.31	12.26	11.95	11.94	12.14	12.25	12.12	11.79
Electronic and Other Electric Equipment	10.43	10.40	10.40	10.32	10.39	10.42	10.36	10.47	10.43	10.47	10.47	10.53	10.54
Electrical Industrial Apparatus	10.48	10.45	10.56	10.47	10.22	10.61	10.58	10.58	10.48	10.39	10.42	10.47	10.56
Electric Lighting and Wiring Equipment	10.23	9.95	9.90	9.87	9.94	10.02	10.00	10.25	10.32	10.53	10.58	10.67	10.74
Transportation Equipment	16.79	15.80	16.35	16.81	16.45	17.11	17.50	17.26	16.81	17.00	17.00	16.70	16.46
Motor Vehicles and Equipment	18.41	17.35	17.83	18.35	17.91	18.66	19.19	18.90	18.46	18.50	18.71	18.47	18.42
Instruments and Related Products	10.91	10.73	10.84	10.86	10.74	10.86	10.97	11.03	11.15	11.09	10.87	10.98	10.86
Measuring and Controlling Devices	11.01	11.00	10.96	10.94	10.91	10.96	11.04	11.01	11.08	11.15	10.83	10.90	11.27
Nondurable Goods[c]	10.71	10.57	10.60	10.67	10.51	10.66	10.65	10.68	10.71	10.85	10.87	10.82	10.93
Food and Kindred Products	11.17	11.34	10.95	10.96	10.92	11.19	11.16	11.15	11.22	11.39	11.11	11.35	11.27
Apparel and Other Textile Products	9.80	9.56	9.59	9.67	9.68	9.61	9.79	9.84	9.86	9.98	10.08	9.85	10.09
Paper and Allied Products	11.55	11.40	11.56	11.56	11.26	11.68	11.39	11.53	11.46	11.61	11.75	11.52	11.80
Printing and Publishing	10.28	9.95	10.04	10.31	10.16	10.23	10.36	10.11	10.22	10.40	10.56	10.49	10.54
Chemicals and Allied Products	12.90	12.68	12.73	12.75	12.73	12.79	12.78	12.83	12.92	13.14	13.18	13.16	13.14
Rubber and Miscellaneous Plastics Products	8.99	8.94	8.97	9.02	8.73	8.85	8.92	9.03	8.97	9.14	9.21	9.02	9.04
Miscellaneous Plastics Products	9.10	9.04	9.07	9.11	8.81	8.85	8.94	9.22	9.04	9.25	9.36	9.22	9.23
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Transportation	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Trucking and Warehousing	14.03	13.75	13.66	13.71	13.86	14.00	13.93	13.92	14.08	14.41	14.39	14.26	14.24
Communications, Electric, Gas Services	15.44	15.13	15.34	15.18	15.44	15.33	15.35	15.42	15.40	15.63	15.58	15.70	15.80
Wholesale Trade	11.76	11.57	11.61	11.63	11.63	11.60	11.77	11.77	11.82	11.91	11.88	11.94	11.99
Retail Trade[d]	6.92	6.79	6.85	6.91	6.92	6.91	6.88	6.85	6.86	6.92	7.04	7.08	7.03
General Merchandise Stores	6.80	6.84	6.73	6.88	6.82	6.76	6.79	6.64	6.56	6.85	6.89	6.92	6.84
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health Services	10.77	10.44	10.51	10.55	10.63	10.65	10.83	10.88	10.87	10.97	11.00	11.00	10.93
Nursing and Personal Care Facilities	7.33	6.94	7.04	7.17	7.30	7.24	7.32	7.39	7.40	7.44	7.51	7.57	7.63
Hospitals	12.13	11.82	11.88	11.89	11.93	11.99	12.24	12.25	12.25	12.33	12.33	12.33	12.30

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [c] Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [d] Money payments only; tips not included. [f] Depressed due to labor-management disputes during part of pay period. [g] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-4-4 (1990)

Cleveland PMSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	42.7	42.3	42.2	43.0	41.6	43.3	43.4	42.4	42.7	43.1	42.9	42.6	42.4
Durable Goods[b]	43.3	42.7	42.7	43.9	42.3	44.4	44.4	43.0	43.5	43.7	43.5	43.1	42.8
Stone, Clay, and Glass Products	42.2	41.6	40.9	41.8	41.5	43.3	41.8	41.1	42.7	42.8	43.0	43.3	43.0
Primary Metal Industries	44.1	43.4	42.8	44.2	42.9	45.2	45.3	43.4	44.3	45.2	44.5	44.5	43.5
Iron and Steel Foundries	46.9	44.3	43.8	46.8	48.0	50.1	52.0	43.9	47.4	50.9	46.4	46.9	42.3
Fabricated Metal Products	42.9	42.7	42.4	43.1	41.6	43.8	43.6	42.2	43.0	43.4	43.7	42.6	43.2
Screw Machine Products, Bolts, etc.	42.9	43.1	42.1	44.1	41.4	44.0	44.0	43.1	42.9	43.1	42.5	41.0	43.2
Metal Forgings and Stampings	44.5	43.4	43.8	45.4	43.3	45.9	45.5	43.3	44.5	45.9	45.3	43.8	43.4
Industrial Machinery and Equipment	44.7	43.5	44.3	46.0	43.9	46.7	46.5	44.2	44.8	43.8	44.8	44.6	43.6
Metalworking Machinery	44.8	43.8	46.7	48.0	46.2	48.3	47.9	42.6	42.4	43.1	43.9	43.5	41.1
Electronic and Other Electric Equipment	40.6	41.1	40.6	40.2	40.1	40.4	40.0	40.6	40.7	40.5	40.6	41.3	41.5
Electrical Industrial Apparatus	42.7	41.9	41.6	42.0	40.1	43.1	43.4	44.1	43.6	42.4	42.7	43.8	43.8
Electric Lighting and Wiring Equipment	37.7	38.7	37.4	37.3	37.0	36.9	36.7	38.0	38.3	38.5	38.2	38.0	37.7
Transportation Equipment	43.9	42.0	43.1	44.8	42.3	45.7	46.1	45.1	44.1	45.8	43.9	42.5	41.5
Motor Vehicles and Equipment	44.2	41.6	42.6	45.1	42.8	46.7	47.9	46.2	45.3	46.1	43.8	41.6	39.7
Instruments and Related Products	41.4	41.0	41.3	41.5	40.0	41.5	41.4	42.0	42.4	42.4	40.6	41.4	41.4
Measuring and Controlling Devices	41.8	42.3	41.8	41.6	40.5	41.2	41.8	42.1	42.3	42.8	40.1	40.7	43.9
Nondurable Goods[c]	41.1	41.3	40.9	40.8	40.0	40.9	41.1	40.9	41.0	41.6	41.6	41.2	41.4
Food and Kindred Products	40.2	42.1	40.0	39.5	39.2	40.0	39.3	39.5	41.0	41.4	39.0	40.4	40.7
Apparel and Other Textile Products	38.6	39.1	38.3	38.5	38.0	37.6	37.7	38.8	37.7	38.6	40.6	38.5	39.6
Paper and Allied Products	44.4	44.5	44.7	44.5	41.7	44.6	44.0	44.5	43.9	45.1	45.5	44.2	46.1
Printing and Publishing	37.9	37.7	37.0	37.6	37.7	37.4	38.3	36.9	37.3	38.0	38.2	39.3	38.9
Chemicals and Allied Products	42.5	43.2	42.5	42.6	41.9	42.5	42.3	42.6	42.7	43.4	42.8	42.1	41.7
Rubber and Miscellaneous Plastics Products	42.0	41.9	42.1	41.9	40.1	41.7	42.8	42.3	42.0	42.9	43.1	41.4	41.7
Miscellaneous Plastics Products	42.6	42.6	43.2	42.4	40.5	41.9	42.6	43.0	42.2	43.4	43.8	42.2	42.8
Transportation and Public Utilities	....	....	....	....	....	....	....	....	....	....	....	....	....
Transportation	....	....	....	....	....	....	....	....	....	....	....	....	....
Trucking and Warehousing	35.3	33.8	34.2	34.3	35.4	36.7	36.2	35.9	34.9	36.8	35.7	34.9	35.0
Communications, Electric, Gas Services	41.2	41.1	40.8	40.3	40.4	40.5	40.5	40.7	40.9	42.0	41.9	42.2	43.1
Wholesale Trade	39.4	39.3	39.5	39.3	39.2	39.5	39.6	39.7	39.6	39.5	39.3	39.4	39.1
Retail Trade	27.7	26.9	27.0	27.2	27.4	27.6	28.0	28.3	28.2	28.0	27.4	27.4	28.4
General Merchandise Stores	28.2	27.5	27.1	27.5	27.4	27.7	27.5	27.9	28.6	28.9	28.3	28.0	31.2
Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Health Services	31.2	31.1	31.1	31.2	31.4	31.1	31.2	31.5	31.5	31.4	31.2	31.0	31.2
Nursing and Personal Care Facilities	33.4	32.7	32.7	33.2	33.6	33.3	33.3	34.0	33.7	33.3	33.6	33.5	34.2
Hospitals	30.4	30.3	30.3	30.3	30.5	30.3	30.4	30.6	30.9	30.5	30.3	30.4	30.5

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [c] Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [f] Depressed due to labor-management disputes during part of pay period. [g] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-3-4 (1990)

Cleveland PMSA

Average Weekly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$517.95	$495.33	$502.60	$522.88	$498.78	$531.72	$534.25	$514.74	$518.38	$530.56	$527.24	$518.87	$516.01
Durable Goods[b]	549.48	519.66	530.33	558.41	531.29	572.32	574.54	546.10	552.45	563.29	559.41	548.66	542.28
Stone, Clay, and Glass Products	502.60	490.05	479.35	496.58	494.27	517.44	495.33	489.91	514.11	520.45	512.56	512.67	512.56
Primary Metal Industries	542.43	519.06	512.74	542.33	532.82	565.00	573.50	515.59	533.82	568.16	546.46	557.59	543.75
Iron and Steel Foundries	856.86	766.39	765.62	855.50	904.80	950.90	999.44	762.10	849.88	967.61	833.34	866.71	762.67
Fabricated Metal Products	546.98	521.37	534.24	553.40	521.25	563.71	559.82	530.45	552.12	558.99	568.54	544.85	562.46
Screw Machine Products, Bolts, etc.	525.10	512.46	504.36	538.90	489.76	550.00	547.80	539.61	532.82	535.73	518.93	494.05	530.93
Metal Forgings and Stampings	694.20	646.66	676.71	715.50	664.66	725.68	717.54	656.86	701.32	721.55	718.46	688.10	687.89
Industrial Machinery and Equipment	550.70	512.43	528.06	565.34	534.26	583.75	578.93	548.08	559.10	544.00	560.90	560.62	537.59
Metalworking Machinery	541.18	512.90	562.27	587.52	558.10	594.57	587.25	509.07	506.26	523.23	537.78	527.22	484.57
Electronic and Other Electric Equipment	423.46	427.44	422.24	414.86	416.64	420.97	414.40	425.08	424.50	424.04	425.08	434.89	437.41
Electrical Industrial Apparatus	447.50	437.86	439.30	439.74	409.82	457.29	459.17	466.58	456.93	440.54	444.93	458.59	462.53
Electric Lighting and Wiring Equipment	385.67	385.07	370.26	368.15	367.78	369.74	367.00	389.50	395.26	405.41	404.16	405.46	404.90
Transportation Equipment	737.08	663.60	704.69	753.09	695.84	781.93	806.75	778.43	741.32	778.60	746.30	709.75	683.09
Motor Vehicles and Equipment	813.72	721.76	759.56	827.59	766.55	871.42	919.20	873.18	836.24	852.85	819.50	768.35	731.27
Instruments and Related Products	451.67	439.93	447.69	450.69	429.60	450.69	454.16	463.26	472.76	470.22	441.32	454.57	449.60
Measuring and Controlling Devices	460.22	465.30	458.13	455.10	441.86	451.55	461.47	463.52	468.68	477.22	434.28	443.63	494.75
Nondurable Goods[c]	440.18	436.54	433.54	435.34	420.40	435.99	437.72	436.81	439.11	451.36	452.19	445.78	452.50
Food and Kindred Products	449.03	477.41	438.00	432.92	428.06	447.60	438.59	440.43	460.02	471.55	433.29	458.54	458.69
Apparel and Other Textile Products	378.28	373.80	367.30	372.30	367.84	361.34	369.08	381.79	371.72	385.23	409.25	379.23	399.56
Paper and Allied Products	512.82	507.30	516.73	514.42	469.54	520.93	501.16	513.09	503.09	523.61	534.63	509.18	543.98
Printing and Publishing	389.61	375.12	371.48	387.66	383.03	382.60	396.79	373.06	381.21	395.20	403.39	412.26	410.01
Chemicals and Allied Products	548.25	547.78	541.03	543.15	533.39	543.58	540.59	546.56	551.68	570.28	564.10	554.04	547.94
Rubber and Miscellaneous Plastics Products	377.58	374.59	377.64	377.94	350.07	369.05	381.78	381.97	376.74	392.11	396.95	373.43	376.97
Miscellaneous Plastics Products	387.66	385.10	391.82	386.26	356.81	370.82	380.84	396.46	381.49	401.45	409.97	389.08	395.04
Transportation and Public Utilities	......	......	......	......	......	......	......	......	......	......	......	......	......
Transportation	......	......	......	......	......	......	......	......	......	......	......	......	......
Trucking and Warehousing	495.26	464.75	467.17	470.25	490.64	513.80	504.27	499.73	491.39	530.29	513.72	497.67	498.40
Communications, Electric, Gas Services	636.13	621.84	625.87	611.75	623.78	620.87	621.68	627.59	629.86	656.46	652.80	662.54	680.98
Wholesale Trade	463.34	454.70	458.60	457.06	455.90	458.20	466.09	467.27	468.07	470.45	466.88	470.44	468.81
Retail Trade[d]	191.68	182.65	184.95	187.95	189.61	190.72	192.64	193.86	193.45	193.76	192.90	193.99	199.65
General Merchandise Stores	191.76	188.10	182.38	189.20	186.87	187.25	186.73	185.26	187.62	197.97	194.99	193.76	213.41
Finance, Insurance, and Real Estate	......	......	......	......	......	......	......	......	......	......	......	......	......
Finance	322.44	323.69	321.26	325.25	322.76	323.57	319.30	319.16	321.44	323.87	322.48	322.30	324.36
Depository Institutions	295.54	295.25	294.47	298.85	297.34	298.78	293.05	293.50	294.87	297.05	293.48	293.99	295.99
Commercial Banks	287.64	288.14	290.24	293.32	291.45	290.68	285.75	285.08	285.53	286.68	285.60	283.91	285.31

See footnotes at end of table.

Cleveland PMSA

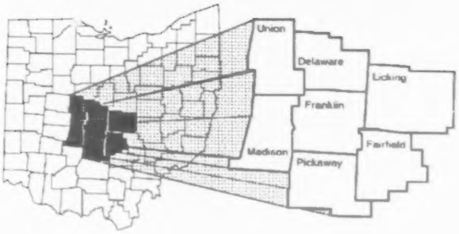
Average Weekly Earnings of Production or Nonsupervisory Workers, 1990[a] (continued)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Services	......	......	......	......	......	......	......	......	......	......	......	......	......
Health Services	$336.02	$324.68	$326.86	$329.16	$333.78	$331.22	$337.90	$342.72	$342.41	$344.46	$343.20	$341.00	$341.02
Nursing and Personal Care Facilities	244.82	226.94	230.21	238.04	245.28	241.09	243.76	251.26	249.38	247.75	252.34	253.60	260.95
Hospitals	368.75	358.15	359.96	360.27	363.87	363.30	372.10	374.85	378.53	376.07	373.60	374.83	375.15

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes lumber and wood products; furniture and fixtures; miscellaneous manufacturing industries. [c] Includes tobacco products; textile mill products; petroleum and coal products; leather and leather products. [d] Money payments only; tips not included. [f] Depressed due to labor-management disputes during part of pay period. [g] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-2-4 (1990)

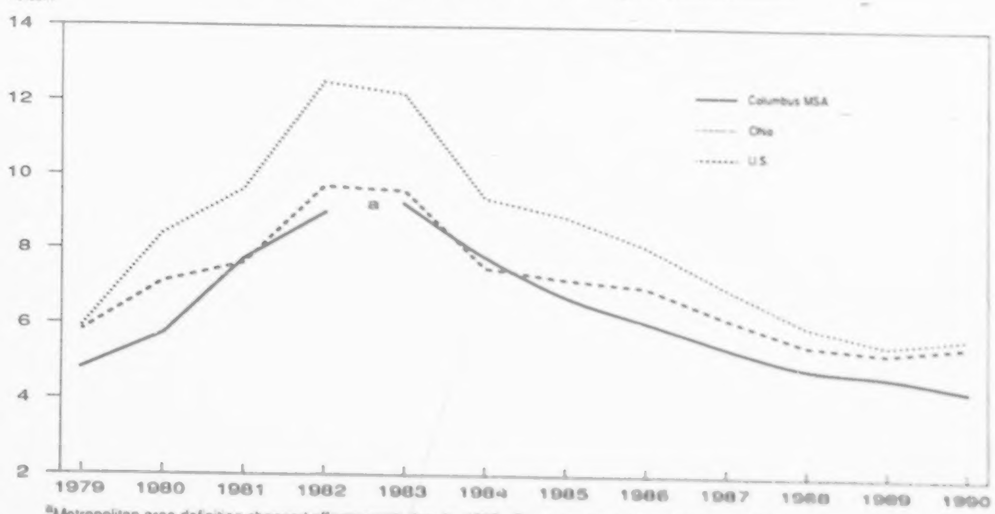
Columbus
Metropolitan Statistical Area



The estimated annual average civilian labor force in the Columbus metropolitan area, distributed by place of residence, increased 5,800 from 1989 to 739,500 in 1990. Total employment, at 706,900, gained 8,000 jobs over the year, while the number of unemployed workers dropped 2,200. The unemployment rate declined from 4.7 percent in 1989 to 4.4 percent in 1990.

Nonagricultural wage and salary employment advanced 17,900 above the 1989 level to 722,700 in 1990, a growth rate of 2.5 percent. Employment in the service-producing sector rose 18,500. Significant growth in services, especially business and health services, created 10,500 jobs. Noteworthy gains were posted in local and state government and in retail trade. The number of workers in goods-producing industries declined 500 below the year-ago level to 134,900 due to scattered losses in manufacturing and nominal declines in construction. Cutbacks in fabricated metal products, stone, clay, and glass products, and instruments and related products offset over-the-year growth in transportation equipment.

Columbus MSA, Ohio and U.S. Unemployment Rates



[a]Metropolitan area definition changed effective with data for 1983. Prior data are not strictly comparable.

Columbus MSA
Civilian Labor Force and Nonagricultural Wage and Salary Employment[a]

(Employed and Unemployed in Thousands)

Civilian Labor Force	Employment	Unemployment	Unemployment Rates[b]				Nonagricultural Wage and Salary Employment		
			MSA	Ohio	U.S.			Goods-Producing Industries	Service-Producing Industries
543.0	517.1	25.8	4.8	5.9	5.8	1979	558.4	142.1	416.3
554.7	523.4	31.4	5.7	8.4	7.1	1980	560.2	135.2	425.1
562.4	519.1	43.3	7.7	9.6	7.6	1981	556.9	129.7	427.1
567.4	516.4	51.0	9.0	12.5	9.7	1982	544.0	118.3	425.7
647.7[c]	587.4[c]	60.3[c]	9.3[c]	12.2	9.6	1983	548.5	116.7	431.8
633.5	584.3	49.2	7.8	9.4	7.5	1984	576.4	125.1	451.3
649.4	605.6	43.8	6.7	8.9	7.2	1985	603.6	129.0	474.6
676.2	634.9	41.3	6.1	8.1	7.0	1986	630.7	130.7	500.0
694.9	657.2	37.7	5.4	7.0	6.2	1987	658.0	131.8	526.2
711.2	676.2	35.0	4.9	6.0	5.5	1988	680.5	132.6	547.8
733.7	698.9	34.8	4.7	5.5	5.3	1989	704.7	135.5	569.3
739.5	706.9	32.6	4.4	5.7	5.5	1990	722.7	134.9	587.7

[a] Civilian labor force estimates are based on place of residence. Nonagricultural wage and salary employment estimates are based on place of work.

[b] Unemployment as percent of civilian labor force.

[c] Data not comparable to previous years due to change in metropolitan area definition.

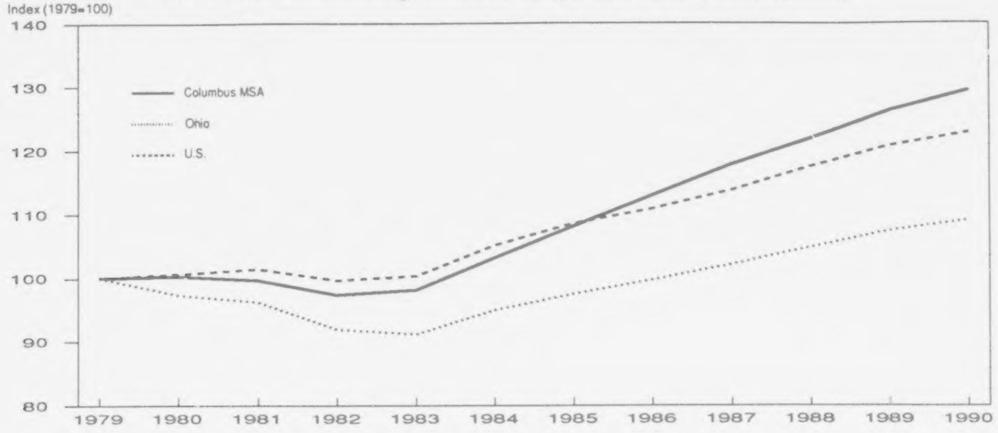
Nonfarm payroll employment in the Columbus area increased 174,200 since the 1983 economic downturn. A major portion of the gain occurred in services (+63,100) and retail trade (+45,200). Noteworthy expansion was posted in government, finance, insurance, and real estate, and construction. From 1979 to 1990, employment rose 164,200 or 29.4 percent. During the same period, the area lost 13,300 manufacturing jobs.

Columbus MSA
Division-Level Nonagricultural Wage and Salary Employment

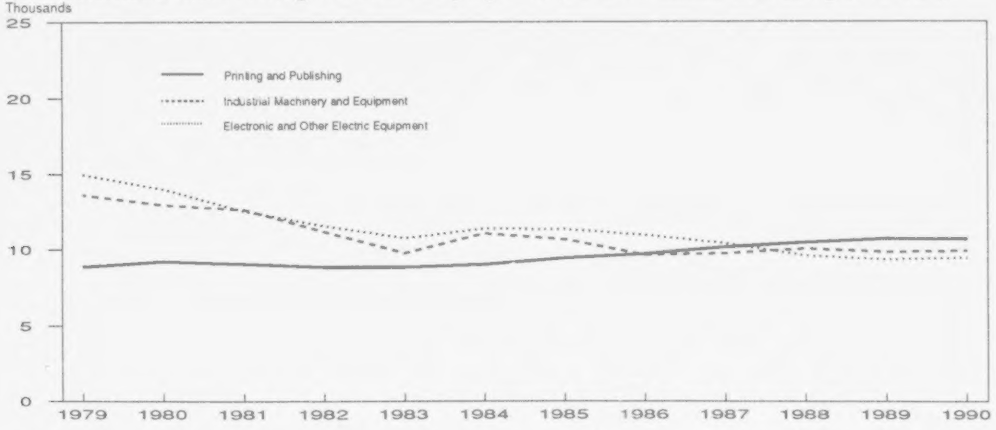
(Employed and Unemployed in Thousands)

Construction	Manufacturing		Transportation & Utilities	Wholesale Trade	Retail Trade		Finance, Insurance, & Real Estate	Services	Government
23.0	117.8	1979	27.3	28.9	101.3	1979	38.3	108.7	111.9
21.2	112.6	1980	26.8	28.6	101.0	1980	40.1	113.2	115.4
19.2	109.1	1981	26.3	28.6	100.9	1981	41.8	116.2	113.4
16.0	101.0	1982	25.3	28.4	100.3	1982	43.5	117.4	110.7
16.8	98.7	1983	24.7	29.1	102.8	1983	45.0	119.6	110.5
19.2	104.7	1984	26.1	31.3	110.0	1984	46.7	127.5	109.8
21.9	106.1	1985	26.0	32.2	118.6	1985	49.4	136.0	112.4
24.0	105.8	1986	26.6	32.4	125.0	1986	53.7	145.9	116.4
27.0	103.9	1987	28.2	33.9	133.3	1987	57.0	154.4	119.4
29.2	102.6	1988	30.0	35.5	138.5	1988	58.7	162.5	122.7
29.7	104.9	1989	31.2	36.6	144.5	1989	59.9	172.2	125.0
29.5	104.5	1990	30.9	36.1	148.0	1990	60.7	182.7	129.3

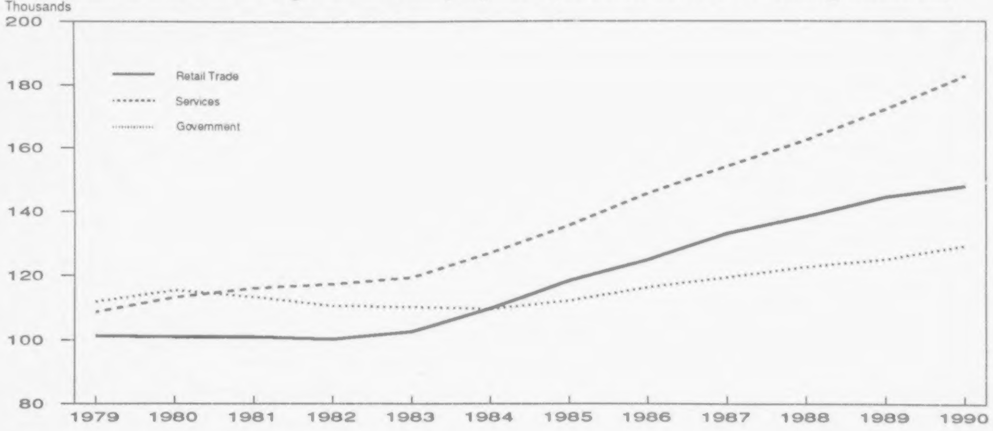
Indexes of Total Nonagricultural Wage and Salary Employment



Columbus MSA Nonagricultural Employment (Selected Goods–Producing Industries)



Columbus MSA Nonagricultural Employment (Selected Service–Producing Industries)



Columbus MSA

Nonagricultural Wage and Salary Employment, 1990^{a}

(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	722.7	702.3	704.3	709.5	716.5	723.3	731.9	722.0	724.3	728.2	735.2	737.1	737.3
Goods-Producing Industries^{b}	134.9	129.8	130.7	132.1	133.5	134.7	137.1	136.3	138.1	138.2	138.0	136.1	134.4
Construction	29.5	26.4	26.2	27.3	28.2	29.5	30.9	31.6	32.1	31.7	30.9	30.1	28.9
Manufacturing	104.5	102.6	103.6	103.9	104.5	104.3	105.3	103.8	105.1	105.6	106.1	105.0	104.6
Durable Goods^{c}	66.0	64.7	65.8	66.1	66.4	66.2	66.7	65.1^{f}	66.3	66.7	66.8	65.9	65.5
Stone, Clay, and Glass Products	9.6	9.7	9.7	9.9	9.8	9.5	9.5	9.2	9.7	9.9	9.9	9.6	8.8
Glass and Glassware, Pressed or Blown	3.5	3.5	3.6	3.6	3.6	3.6	3.6	3.1	3.6	3.7	3.7	3.6	3.1
Fabricated Metal Products	9.5	9.1	9.8	9.7	9.8	9.8	9.9	9.6	9.5	9.6	9.5	8.8	9.2
Industrial Machinery and Equipment	9.9	9.8	9.8	9.8	9.9	9.9	10.0	10.0	10.0	10.0	10.0	10.1	10.1
Electronic and Other Electric Equipment	9.5	9.5	9.5	9.6	9.5	9.5	9.4	9.4	9.4	9.4	9.5	9.6	9.7
Transportation Equipment	15.4	14.3	14.6	14.8	15.2	15.2	15.6	15.6	15.7	15.7	15.9	15.9	15.8
Motor Vehicles and Equipment	13.7	12.9	13.2	13.3	13.6	13.6	13.9	14.0	14.1	14.0	14.1	14.1	14.1
Instruments and Related Products	4.4	4.6	4.6	4.6	4.5	4.5	4.5	4.5	4.4	4.4	4.2	4.2	4.2
Nondurable Goods^{d}	38.5	37.9	37.8	37.9	38.0	38.1	38.5	38.7	38.8	38.9	39.4	39.1	39.0
Food and Kindred Products	10.5	10.3	10.3	10.3	10.3	10.4	10.4	10.5	10.6	10.7	11.0	10.9	10.8
Dairy Products	3.9	3.7	3.7	3.8	3.7	3.8	3.8	3.9	3.9	3.9	4.1	4.1	4.1
Printing and Publishing	10.7	10.6	10.5	10.5	10.6	10.6	10.7	10.8	10.8	10.8	10.9	10.9	10.9
Chemicals and Allied Products	6.9	6.9	6.9	6.9	6.9	6.9	7.0	7.0	7.0	6.8	6.8	6.7	6.8
Rubber and Miscellaneous Plastics Products	6.1	6.0	5.9	6.0	6.0	6.0	6.1	6.1	6.1	6.3	6.3	6.2	6.3
Service-Producing Industries	587.7	572.5	573.6	577.4	583.0	588.6	594.9	585.7	586.2	590.0	597.1	601.1	602.9
Transportation and Public Utilities	30.9	30.3	30.4	30.5	30.7	30.7	30.8	30.9	31.1	31.3	31.2	31.2	31.4
Transportation	18.2	17.8	17.8	17.8	17.9	18.0	18.1	18.1	18.3	18.6	18.5	18.5	18.6
Trucking and Warehousing	12.9	12.3	12.4	12.4	12.6	12.7	12.8	13.0	13.1	13.3	13.3	13.3	13.4
Communications, Electric, Gas Services	12.7	12.6	12.6	12.7	12.8	12.7	12.7	12.8	12.8	12.8	12.8	12.8	12.8
Communications	7.9	7.8	7.9	8.0	8.0	8.0	7.9	7.9	7.9	7.9	7.9	7.9	8.0
Electric, Gas, and Sanitary Services	4.8	4.7	4.7	4.7	4.8	4.8	4.8	4.8	4.9	4.9	4.9	4.9	4.9
Wholesale Trade	36.1	35.8	35.9	36.1	36.0	36.3	36.2	36.1	36.1	36.1	36.3	36.4	36.4
Wholesale Trade-Durable Goods	22.9	22.9	22.9	23.0	22.8	23.0	23.1	22.9	22.7	22.7	22.8	22.8	22.8
Motor Vehicles, Parts, and Supplies	3.1	3.0	3.0	3.1	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
Machinery, Equipment, and Supplies	5.1	5.2	5.3	5.2	5.3	5.3	5.2	5.0	5.0	5.0	5.0	4.9	4.9
Wholesale Trade-Nondurable Goods	13.3	12.9	13.0	13.1	13.2	13.2	13.2	13.3	13.4	13.4	13.5	13.6	13.6
Retail Trade	148.0	145.5	143.8	144.2	144.3	146.1	147.6	147.6	149.1	149.4	150.4	152.8	154.9
General Merchandise Stores	21.3	21.8	20.5	20.2	20.5	20.6	20.6	20.8	21.0	21.3	21.6	22.8	23.8
Food Stores	16.9	16.5	16.5	16.5	16.4	16.4	17.1	17.3	17.2	17.0	17.1	17.3	17.6
Automotive Dealers and Service Stations	14.1	13.7	13.7	13.9	14.0	14.1	14.2	14.4	14.5	14.4	14.3	14.2	14.2

See footnotes at end of table.

RS-790 1-5 (1990)

Columbus MSA

Nonagricultural Wage and Salary Employment, 1990[a] (continued)

(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Finance, Insurance, and Real Estate	60.7	59.8	59.7	59.9	60.3	60.6	61.3	61.9	61.6	60.8	60.7	60.7	60.9
Finance	24.4	24.2	24.1	24.2	24.2	24.3	24.6	24.7	24.7	24.4	24.5	24.6	24.6
Depository Institutions	13.9	13.9	13.8	13.8	13.8	13.8	14.0	14.0	14.0	13.8	13.8	13.8	13.9
Commercial Banks	11.5	11.4	11.4	11.4	11.3	11.4	11.5	11.6	11.7	11.6	11.6	11.6	11.7
Insurance	26.9	26.8	26.8	26.9	26.8	26.9	27.2	27.4	27.2	26.8	26.8	26.8	26.8
Insurance Carriers	22.9	22.8	22.8	23.0	22.8	23.0	23.2	23.4	23.1	22.8	22.8	22.8	22.8
Services	182.7	173.3	175.0	176.0	180.3	181.7	185.3	186.2	186.6	187.6	187.4	187.3	185.8
Business Services	41.6	37.6	37.8	38.1	40.5	41.4	42.2	42.8	43.4	43.5	44.0	44.2	44.0
Personnel Supply Services	16.2	12.9	13.0	13.3	15.5	16.2	16.7	17.3	17.6	17.7	18.1	18.3	18.0
Health Services	46.5	45.2	45.6	45.6	45.4	45.7	46.5	47.0	47.2	47.3	47.4	47.4	47.5
Nursing and Personal Care Facilities	8.2	7.9	8.0	8.0	8.1	8.2	8.2	8.3	8.4	8.3	8.3	8.3	8.4
Hospitals	21.7	21.2	21.5	21.4	21.1	21.3	21.9	22.0	22.1	22.1	22.2	22.1	22.1
Legal Services	4.6	4.4	4.5	4.5	4.5	4.5	4.7	4.7	4.7	4.5	4.6	4.6	4.6
Educational Services	7.5	7.9	8.1	8.1	8.1	7.2	7.0	6.4	6.3	7.6	8.0	8.1	7.3
Social Services	13.2	12.7	12.9	13.0	13.0	13.0	13.1	13.0	13.1	13.3	13.5	13.6	13.7
Engineering and Management Services	18.3	18.1	18.2	18.2	18.0	18.1	18.3	18.4	18.5	18.4	18.4	18.4	18.5
Engineering and Architectural Services	4.9	4.6	4.7	4.7	4.8	4.8	5.0	5.0	5.1	5.1	5.0	5.0	5.1
Accounting, Auditing, and Bookkeeping	3.9	4.0	4.1	4.1	4.0	3.9	3.8	3.8	3.8	3.8	3.9	3.9	3.9
Research and Testing Services	5.8	5.9	5.9	5.9	5.7	5.8	5.9	5.9	5.9	5.8	5.8	5.7	5.7
Government	129.3	127.9	128.8	130.6	131.4	133.2	133.5	123.1	121.7	124.7	131.2	132.6	133.5
Federal Government	16.8	16.4	16.3	16.7	17.3	19.1	17.5	17.4	16.6	16.3	16.2	16.0	16.3
State Government	56.2	55.6	56.2	57.0	56.9	56.9	58.6	52.8	53.0	52.4	57.7	58.6	58.9
State Government Education[e]	23.0	23.0	23.6	24.0	23.9	23.9	24.6	19.2	19.2	19.1	24.7	25.5	25.8
Local Government	56.3	55.9	56.3	56.9	57.1	57.2	57.3	52.9	52.2	55.9	57.3	58.0	58.3
Local Government Education	33.8	34.0	34.4	35.1	34.9	34.8	34.2	29.4	29.0	33.3	34.9	35.5	35.7

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes mining. [c] Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [d] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [e] Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [f] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-8-91 RS-790-1-5 (1990)

Columbus MSA

Nonagricultural Wage and Salary Employment, 1989[a]

(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	704.7	682.7	687.1	692.8	695.7	701.6	707.2	703.8	707.3	713.1	718.9	722.6	724.0
Goods-Producing Industries[b]	135.5	130.7	130.7	132.0	132.9	134.5	136.5	138.3	139.5	139.8	137.8	137.1	135.7
Construction	29.7	26.4	26.1	27.2	28.3	29.3	30.6	31.9	32.6	32.4	31.6	30.9	29.1
Manufacturing	104.9	103.5	103.8	104.0	103.8	104.4	105.1	105.4	106.0	106.5	105.3	105.3	105.6
Durable Goods[c]	66.2	65.1	65.4	65.5	65.4	65.8	65.9	66.5	67.0	67.6	66.6	66.7	67.1
Stone, Clay, and Glass Products	9.9	9.7	9.8	9.9	9.7	9.7	9.9	10.1	10.1	10.2	9.9	9.8	10.1
Glass and Glassware, Pressed or Blown	3.5	3.4	3.4	3.5	3.5	3.4	3.4	3.7	3.7	3.6	3.6	3.7	3.7
Fabricated Metal Products	9.9	9.8	9.9	9.8	9.8	9.8	9.7	9.7	9.9	10.1	10.1	10.1	10.1
Industrial Machinery and Equipment	9.9	9.9	9.8	9.9	9.9	9.9	10.0	10.1	9.9	10.1	9.5	9.8	9.8
Electronic and Other Electric Equipment	9.4	9.3	9.2	9.3	9.2	9.3	9.3	9.5	9.5	9.5	9.5	9.5	9.5
Transportation Equipment	14.3	13.1	13.4	13.6	13.7	13.8	13.8	14.2	14.7	15.1	15.1	15.2	15.3
Motor Vehicles and Equipment	13.3	12.2	12.6	12.8	12.9	13.0	13.2	13.2	13.7	14.1	14.0	13.9	13.9
Instruments and Related Products	4.7	4.6	4.7	4.6	4.6	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
Nondurable Goods[d]	38.7	38.3	38.4	38.5	38.4	38.6	39.2	39.0	39.0	38.9	38.6	38.6	38.5
Food and Kindred Products	10.5	10.4	10.4	10.5	10.5	10.6	10.7	10.7	10.7	10.7	10.5	10.4	10.4
Dairy Products	3.9	3.8	3.9	3.9	3.9	3.9	4.0	4.0	4.0	3.9	3.8	3.7	3.8
Printing and Publishing	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.8	10.8	10.8	10.8	10.8	10.8
Chemicals and Allied Products	6.9	6.8	6.8	6.8	6.8	6.8	7.0	7.0	7.0	6.9	6.9	6.9	6.9
Rubber and Miscellaneous Plastics Products	6.1	5.9	5.9	5.9	6.0	6.1	6.2	6.1	6.2	6.2	6.2	6.2	6.1
Service-Producing Industries	569.3	552.0	556.4	560.9	562.8	567.1	570.7	565.5	567.8	573.3	581.1	585.5	588.3
Transportation and Public Utilities	31.2	30.0	30.1	30.1	30.4	30.7	30.9	31.5	31.7	32.0	32.1	32.2	32.2
Transportation	18.7	17.8	17.9	17.9	18.1	18.3	18.5	18.9	19.1	19.5	19.5	19.5	19.6
Trucking and Warehousing	13.1	12.1	12.4	12.4	12.5	12.8	12.8	13.4	13.6	13.9	13.9	13.9	14.0
Communications, Electric, Gas Services	12.4	12.2	12.2	12.2	12.4	12.3	12.4	12.5	12.5	12.5	12.6	12.6	12.6
Communications	7.8	7.6	7.6	7.7	7.8	7.7	7.8	7.8	7.8	7.8	7.9	7.9	7.9
Electric, Gas, and Sanitary Services	4.7	4.6	4.6	4.6	4.6	4.6	4.6	4.7	4.7	4.7	4.8	4.8	4.8
Wholesale Trade	36.6	36.3	36.5	36.8	36.4	36.4	36.6	36.9	36.7	36.3	36.7	36.7	36.4
Wholesale Trade-Durable Goods	23.5	23.4	23.7	23.8	23.7	23.8	23.9	23.7	23.5	23.2	23.4	23.2	23.1
Motor Vehicles, Parts, and Supplies	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Machinery, Equipment, and Supplies	5.2	5.1	5.3	5.3	5.3	5.4	5.5	5.2	5.2	5.1	5.2	5.1	5.1
Wholesale Trade-Nondurable Goods	13.0	12.8	12.8	13.0	12.7	12.6	12.7	13.2	13.2	13.0	13.3	13.5	13.3
Retail Trade	144.5	138.0	138.3	139.9	140.2	142.6	143.1	144.5	146.8	147.7	148.5	151.1	153.5
General Merchandise Stores	21.2	19.8	20.3	20.4	20.4	20.5	20.5	20.8	21.3	21.3	21.8	22.9	24.2
Food Stores	16.4	16.0	16.1	16.3	16.2	16.3	16.3	16.4	16.4	16.1	16.6	16.9	17.4
Automotive Dealers and Service Stations	14.0	13.7	13.7	13.8	13.9	14.2	14.2	14.1	14.2	14.3	14.2	14.0	13.9

See footnotes at end of table.

Columbus MSA

Nonagricultural Wage and Salary Employment, 1989[a] (continued)
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Finance, Insurance, and Real Estate	59.9	58.8	59.2	59.6	59.1	59.5	60.2	60.5	60.6	60.5	60.1	60.2	60.3
Finance	23.7	23.1	23.2	23.4	23.2	23.4	23.7	23.6	23.7	23.8	24.0	24.2	24.3
Depository Institutions	14.3	14.1	14.0	14.3	14.1	14.2	14.5	14.3	14.3	14.3	14.4	14.4	14.5
Commercial Banks	11.7	11.4	11.5	11.8	11.6	11.6	11.9	11.7	11.8	11.8	11.9	11.9	12.0
Insurance	27.5	27.4	27.5	27.6	27.4	27.4	27.6	27.7	27.7	27.6	27.2	27.2	27.2
Insurance Carriers	23.4	23.4	23.4	23.5	23.4	23.4	23.6	23.7	23.7	23.6	23.2	23.2	23.2
Services	172.2	163.5	165.9	167.6	169.7	170.9	172.3	174.4	175.1	176.8	177.1	177.3	176.0
Business Services	36.9	33.5	33.7	34.5	35.2	35.8	36.0	37.7	38.4	38.9	39.7	40.0	39.7
Personnel Supply Services	13.3	10.9	11.0	11.6	12.4	12.6	12.5	14.0	14.3	14.7	15.0	15.3	15.1
Health Services	44.4	43.2	43.4	43.7	43.7	44.0	44.6	44.9	45.2	45.1	45.1	45.1	45.3
Nursing and Personal Care Facilities	7.9	7.8	8.0	7.9	7.9	8.0	8.0	8.0	8.0	8.0	7.9	7.9	7.9
Hospitals	20.6	20.1	20.1	20.2	20.3	20.4	20.7	20.8	20.9	20.9	21.0	21.0	21.0
Legal Services	4.4	4.3	4.4	4.4	4.3	4.4	4.5	4.6	4.6	4.5	4.5	4.5	4.5
Educational Services	7.4	7.9	8.7	8.0	7.9	7.1	6.3	5.8	5.6	7.5	8.3	8.2	7.4
Social Services	12.5	11.9	12.1	12.2	12.2	12.2	12.4	12.4	12.5	12.6	12.9	13.0	13.2
Engineering and Management Services	17.9	17.7	17.8	17.8	17.6	17.6	17.7	18.0	18.0	17.9	18.0	18.1	18.2
Engineering and Architectural Services	4.5	4.3	4.3	4.4	4.4	4.4	4.5	4.6	4.6	4.7	4.7	4.7	4.8
Accounting, Auditing, and Bookkeeping	4.1	4.2	4.3	4.2	4.1	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Research and Testing Services	6.1	6.2	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.0	6.0	6.1	6.0
Government	125.0	125.4	126.4	126.9	127.0	127.0	127.5	117.8	117.0	120.1	126.6	128.1	130.0
Federal Government	16.1	15.8	15.7	15.8	16.0	16.1	16.2	16.2	16.4	16.2	16.2	16.2	16.5
State Government	54.5	54.6	55.4	55.7	55.6	55.7	56.6	51.2	50.7	50.0	55.1	55.9	57.3
State Government Education[e]	22.3	23.2	23.8	24.0	23.7	23.8	24.0	18.2	18.1	17.7	23.1	23.7	24.8
Local Government	54.4	55.0	55.3	55.5	55.4	55.1	54.7	50.5	50.0	53.8	55.3	56.0	56.3
Local Government Education	32.4	33.4	33.7	34.0	33.8	33.3	32.0	27.6	27.3	32.0	33.4	34.2	34.3

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b]Includes mining. [c]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [d]Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [e]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [f]Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-8-91 RS-790-1-5 (1989)

Columbus MSA

Average Hourly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$12.44	$12.27	$12.36	$12.31	$12.26	$12.34	$12.40	$12.45	$12.36	$12.55	$12.61	$12.62	$12.77
Durable Goods[b]	12.76	12.58	12.68	12.61	12.55	12.65	12.73	12.80	12.65	12.88	12.94	12.91	13.10
Stone, Clay, and Glass Products	12.15	12.03	12.01	11.93	12.00	12.08	12.10	12.32	12.21	12.31	12.16	12.19	12.40
Glass and Glassware, Pressed or Blown	11.07	10.95	11.02	10.89	11.10	10.97	11.12	11.41	10.99	11.10	11.25	11.03	11.04
Fabricated Metal Products	12.73	12.08	12.59	12.57	12.73	12.83	12.96	12.85	12.79	12.95	12.96	12.51	12.84
Industrial Machinery and Equipment	12.19	11.96	12.08	11.96	11.67	11.97	12.37	12.48	11.90	12.20	12.38	12.61	12.58
Electronic and Other Electric Equipment	12.47	12.09	12.10	11.98	11.98	12.06	12.15	12.34	12.44	12.69	12.92	13.13	13.51
Transportation Equipment	14.73	14.76	14.85	14.77	14.57	14.59	14.58	14.58	14.45	14.85	14.99	14.91	14.85
Motor Vehicles and Equipment	14.81	14.78	14.89	14.83	14.64	14.67	14.68	14.70	14.58	14.92	15.06	14.99	14.95
Instruments and Related Products	10.58	10.20	10.40	10.53	10.29	10.57	10.79	10.71	10.59	10.62	10.52	10.73	11.02
Nondurable Goods[c]	11.82	11.68	11.71	11.68	11.67	11.71	11.71	11.79	11.79	11.88	11.99	12.08	12.12
Food and Kindred Products	10.48	10.27	10.36	10.36	10.21	10.38	10.48	10.51	10.38	10.59	10.58	10.62	10.92
Dairy Products	13.88	14.31	14.05	13.78	13.50	13.57	13.65	13.69	13.84	14.03	13.87	13.84	14.50
Printing and Publishing	14.03	13.86	13.91	13.99	13.81	13.93	13.83	13.92	14.02	14.04	14.22	14.34	14.37
Chemicals and Allied Products	15.08	15.06	14.82	14.84	15.06	14.85	14.75	14.85	14.89	15.26	15.54	15.64	15.37
Rubber and Miscellaneous Plastics Products	9.46	9.28	9.46	9.37	9.21	9.49	9.47	9.58	9.57	9.58	9.45	9.55	9.46
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Transportation	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Trucking and Warehousing	13.03	13.20	13.07	13.06	13.17	13.13	13.07	12.94	13.00	13.08	12.92	12.74	12.98
Communications, Electric, Gas Services	15.48	15.07	15.21	15.18	15.46	15.39	15.54	15.70	15.62	15.63	15.73	15.56	15.66
Communications	14.96	14.53	14.70	14.61	14.92	14.68	14.94	14.97	14.97	14.98	15.13	15.43	15.55
Electric, Gas, and Sanitary Services	16.18	15.80	15.88	15.94	16.20	16.32	16.31	16.64	16.45	16.48	16.51	15.76	15.83
Wholesale Trade	10.48	10.37	10.38	10.33	10.41	10.50	10.49	10.50	10.58	10.55	10.53	10.58	10.54
Retail Trade[d]	6.74	6.68	6.64	6.67	6.65	6.65	6.70	6.72	6.74	6.78	6.79	6.84	6.95
General Merchandise Stores	7.30	7.17	7.22	7.26	7.18	7.11	7.14	7.23	7.32	7.35	7.50	7.46	7.61
Food Stores	6.98	7.11	7.02	7.02	7.07	7.00	6.87	6.80	6.84	6.97	6.97	7.07	7.07
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Nursing and Personal Care Facilities	7.27	7.14	7.11	7.16	7.15	7.16	7.17	7.31	7.25	7.35	7.42	7.51	7.51
Hospitals	11.79	11.64	11.71	11.79	11.88	11.89	11.87	11.89	11.90	11.91	11.77	11.66	11.53
Engineering and Management Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Engineering and Architectural Services	12.64	12.41	12.55	12.61	12.73	12.71	12.49	12.44	12.47	12.63	12.82	12.87	12.88

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [c] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [d] Money payments only; tips not included. [f] Depressed due to labor-management disputes during part of pay period. [g] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-4-5 (1990)

Columbus MSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	42.0	42.1	42.1	41.6	40.9	41.7	42.0	42.1	41.7	42.2	42.1	42.9	43.0
Durable Goods[b]	42.3	42.2	42.4	42.0	41.2	41.9	42.3	42.4	42.0	42.7	42.2	43.1	43.3
Stone, Clay, and Glass Products	43.0	41.8	42.4	42.6	42.6	42.5	42.9	43.7	44.2	44.2	42.6	42.8	43.4
Glass and Glassware, Pressed or Blown	41.8	41.2	42.2	41.9	42.3	41.3	42.1	41.9	41.4	41.2	42.4	42.3	41.3
Fabricated Metal Products	41.1	40.5	41.1	41.6	41.3	42.0	41.8	40.8	41.2	40.8	40.3	40.8	40.9
Industrial Machinery and Equipment	42.9	41.6	42.0	41.5	40.2	41.3	43.3	44.2	41.7	44.1	43.9	45.7	45.5
Electronic and Other Electric Equipment	42.0	41.8	42.9	41.4	39.9	40.6	40.6	40.8	41.1	42.6	42.5	43.5	45.5
Transportation Equipment	44.1	45.3	45.4	44.7	43.1	43.3	43.3	43.5	43.1	44.7	44.4	44.3	43.9
Motor Vehicles and Equipment	44.0	45.4	45.5	44.7	43.1	43.3	43.4	43.7	43.2	44.3	43.9	43.9	43.4
Instruments and Related Products	39.7	38.3	38.8	38.7	38.3	39.8	41.3	41.2	40.3	39.3	38.7	40.9	41.6
Nondurable Goods[c]	41.5	41.7	41.5	40.7	40.5	41.2	41.4	41.5	41.1	41.2	41.9	42.4	42.5
Food and Kindred Products	41.6	41.1	40.9	40.6	39.7	41.1	41.6	42.0	40.8	42.3	42.3	42.9	44.1
Dairy Products	44.2	45.7	44.9	44.8	42.9	44.0	44.7	45.0	44.0	44.4	43.8	42.6	44.1
Printing and Publishing	40.3	40.3	39.0	38.7	39.1	39.7	40.1	40.9	41.1	39.7	42.2	41.3	41.7
Chemicals and Allied Products	42.9	43.7	42.8	42.7	43.1	42.4	41.7	41.4	41.3	43.1	44.2	44.6	43.6
Rubber and Miscellaneous Plastics Products	41.7	42.9	43.6	42.7	40.7	42.0	41.8	41.8	41.0	40.7	40.3	41.3	41.3
Transportation and Public Utilities	....	....	....	....	....	....	....	....	....	....	....	....	....
Transportation	....	....	....	....	....	....	....	....	....	....	....	....	....
Trucking and Warehousing	34.4	34.0	34.5	34.7	34.6	35.0	35.5	35.2	34.3	34.3	33.8	33.1	34.0
Communications, Electric, Gas Services	43.7	43.8	43.4	43.2	43.0	43.6	43.9	43.9	43.6	43.7	43.8	44.2	44.1
Communications	40.2	40.1	39.2	39.4	39.4	39.3	39.8	39.8	39.6	39.7	39.9	42.4	43.9
Electric, Gas, and Sanitary Services	49.5	50.3	50.8	49.8	49.2	50.7	50.7	50.6	50.2	50.2	50.1	47.2	44.4
Wholesale Trade	38.6	38.4	38.6	38.6	38.3	38.2	38.2	38.3	38.5	38.8	38.9	39.0	39.0
Retail Trade	27.4	27.4	27.2	27.3	27.6	27.3	27.4	27.6	27.7	27.3	27.0	27.1	28.0
General Merchandise Stores	28.6	28.2	28.3	28.8	28.7	28.4	28.5	29.2	29.0	28.5	28.0	27.4	30.6
Food Stores	27.3	26.6	26.4	26.5	28.4	26.8	28.0	27.5	28.1	27.8	27.0	27.3	27.3
Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Health Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Nursing and Personal Care Facilities	32.4	32.2	32.0	32.5	32.3	31.9	32.4	32.9	31.9	32.7	32.4	33.0	33.1
Hospitals	34.2	34.4	34.3	34.3	34.5	34.2	34.2	34.0	33.6	34.5	33.7	34.3	34.0
Engineering and Management Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Engineering and Architectural Services	39.1	39.6	38.7	38.8	39.4	40.1	39.1	38.4	38.9	38.8	38.6	38.8	39.6

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [c] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [f] Depressed due to labor-management disputes during part of pay period. [g] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-3-5 (1990)

Columbus MSA

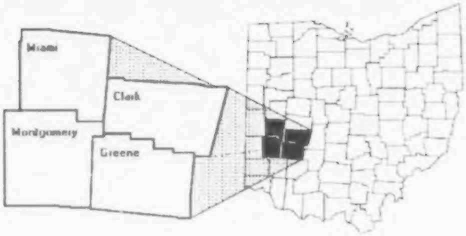
Average Weekly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$522.48	$516.57	$520.36	$512.10	$501.43	$514.58	$520.80	$524.15	$515.41	$529.61	$530.88	$541.40	$549.11
Durable Goods[b]	539.75	530.88	537.63	529.62	517.06	530.04	538.48	542.72	531.30	549.98	546.07	556.42	567.23
Stone, Clay, and Glass Products	522.45	502.85	509.22	508.22	511.20	513.40	519.09	538.38	539.68	544.10	518.02	521.73	538.16
Glass and Glassware, Pressed or Blown	462.73	451.14	465.04	456.29	469.53	453.06	468.15	478.08	454.99	457.32	477.00	466.57	455.95
Fabricated Metal Products	523.20	489.24	517.45	522.91	525.75	538.86	541.73	524.28	526.95	528.36	522.29	510.41	525.16
Industrial Machinery and Equipment	522.95	497.54	507.36	496.34	469.13	494.36	535.62	551.62	496.23	538.02	543.48	576.28	572.39
Electronic and Other Electric Equipment	523.74	505.36	519.09	495.97	478.00	489.64	493.29	503.47	511.28	540.59	549.10	571.16	614.71
Transportation Equipment	649.59	668.63	674.19	660.22	627.97	631.75	631.31	634.23	622.80	663.80	665.56	660.51	651.92
Motor Vehicles and Equipment	651.64	671.01	677.50	662.90	630.98	635.21	637.11	642.39	629.86	660.96	661.13	658.06	648.83
Instruments and Related Products	420.03	390.66	403.52	407.51	394.11	420.69	445.63	441.25	426.78	417.37	407.12	438.86	458.43
Nondurable Goods[c]	490.53	487.06	485.97	475.38	472.64	482.45	484.79	489.29	484.57	489.46	502.38	512.19	515.10
Food and Kindred Products	435.97	422.10	423.72	420.62	405.34	426.62	435.97	441.42	423.50	447.96	447.53	455.60	481.57
Dairy Products	613.50	653.97	630.85	617.34	579.15	597.08	610.16	616.05	608.96	622.93	607.51	589.58	639.45
Printing and Publishing	565.41	558.56	542.49	541.41	539.97	553.02	554.58	569.33	576.22	557.39	600.08	592.24	599.23
Chemicals and Allied Products	646.93	658.12	634.30	633.67	649.09	629.64	615.08	614.79	614.96	657.71	686.87	697.54	670.13
Rubber and Miscellaneous Plastics Products	394.48	398.11	412.46	400.10	374.85	398.58	395.85	400.44	392.37	389.91	380.84	394.42	390.70
Transportation and Public Utilities	......	......	......	......	......	......	......	......	......	......	......	......	......
Transportation	......	......	......	......	......	......	......	......	......	......	......	......	......
Trucking and Warehousing	448.23	448.80	450.92	453.18	455.68	459.55	463.99	455.49	445.90	448.64	436.70	421.69	441.32
Communications, Electric, Gas Services	676.48	660.07	660.11	655.78	664.78	671.00	682.21	689.23	681.03	683.03	688.97	687.75	690.61
Communications	601.39	582.65	576.24	575.63	587.85	576.92	594.61	595.81	592.81	594.71	603.69	654.23	682.65
Electric, Gas, and Sanitary Services	800.91	794.74	806.70	793.81	797.04	827.42	826.92	841.98	825.79	827.30	827.15	743.87	702.85
Wholesale Trade	404.53	398.21	400.67	398.74	398.70	401.10	400.72	402.15	407.33	409.34	409.62	412.62	411.06
Retail Trade[d]	184.68	183.03	180.61	182.09	183.54	181.55	183.58	185.47	186.70	185.09	183.33	185.36	194.60
General Merchandise Stores	208.78	202.19	204.33	209.09	206.07	201.92	203.49	211.12	212.28	209.48	210.00	204.40	232.87
Food Stores	190.55	189.13	185.33	186.03	200.79	187.60	192.36	187.00	192.20	193.77	188.19	193.01	193.01
Finance, Insurance, and Real Estate	......	......	......	......	......	......	......	......	......	......	......	......	......
Finance	461.16	439.25	447.14	450.00	453.45	455.10	454.31	461.73	463.28	465.30	474.75	481.87	485.27
Depository Institutions	296.03	286.63	291.92	293.27	293.97	294.57	295.94	298.31	300.26	295.09	300.43	300.06	301.68
Commercial Banks	293.98	284.87	292.42	291.13	290.78	290.78	292.91	295.08	298.14	292.90	297.77	298.97	301.54
Services	......	......	......	......	......	......	......	......	......	......	......	......	......
Health Services	......	......	......	......	......	......	......	......	......	......	......	......	......
Nursing and Personal Care Facilities	235.55	229.91	227.52	232.70	230.95	228.40	232.31	240.50	231.28	240.35	240.41	247.83	248.58
Hospitals	403.22	400.42	401.65	404.40	409.86	406.64	405.95	404.26	399.84	410.90	396.65	399.94	392.02
Engineering and Management Services	......	......	......	......	......	......	......	......	......	......	......	......	......
Engineering and Architectural Services	494.22	491.44	485.69	489.27	501.56	509.67	488.36	477.70	485.08	490.04	494.85	499.36	510.05

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing industries. [c] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [d] Money payments only; tips not included. [f] Depressed due to labor-management disputes during part of pay period. [g] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-2-5 (1990)

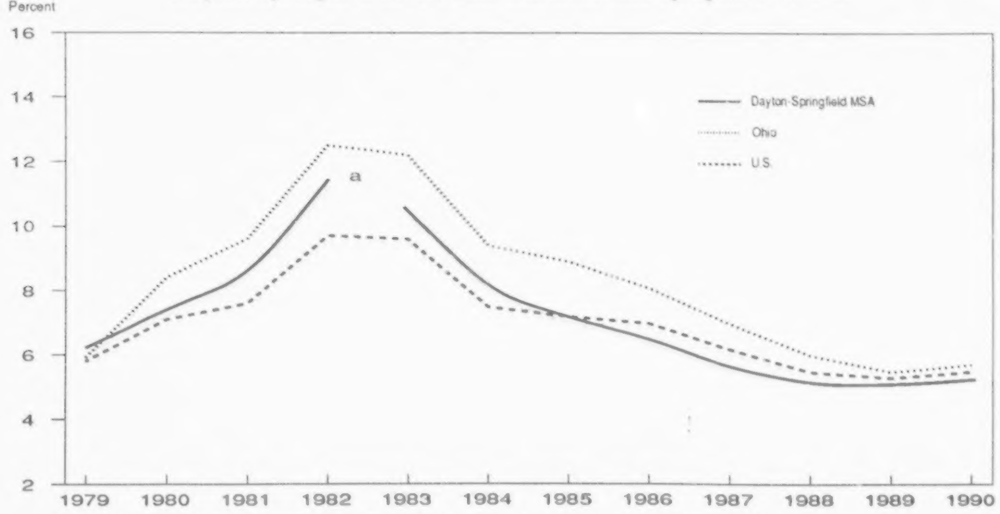
Dayton-Springfield Metropolitan Statistical Area



Based on place of residence, the estimated annual average civilian labor force in the Dayton-Springfield metropolitan area dropped 1,400 from 1989 to 476,800 in 1990. Total employment, at 451,500, fell 2,300 over the year, while unemployment rose 1,000. The unemployment rate increased from 5.1 percent in 1989 to 5.3 percent in 1990.

Nonagricultural wage and salary employment advanced 3,800 above the 1989 level to 452,200 in 1990. The growth was concentrated in service-producing industries, up 7,700. Leading areas of expansion were services (+4,200) and retail trade (+2,000). Moderate gains were posted in local government and transportation and public utilities. Employment in wholesale trade and finance, insurance, and real estate declined during the period. The workforce in goods-producing industries, at 119,200, lost 3,800 jobs due to production cutbacks in manufacturing and less business in construction. Noteworthy reductions occurred in industrial machinery and equipment, electronic and other electric equipment, and rubber and miscellaneous plastics products. Employment in paper and allied products and transportation equipment increased fractionally from 1989.

Dayton-Springfield MSA, Ohio and U.S. Unemployment Rates



[a]Metropolitan area definition changed effective with data for 1983. Prior data are not strictly comparable.

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Dayton-Springfield MSA
Civilian Labor Force and Nonagricultural Wage and Salary Employment[a]

(Employed and Unemployed in Thousands)

Civilian Labor Force	Employment	Unemployment	Unemployment Rates[b]				Nonagricultural Wage and Salary Employment	Goods–Producing Industries	Service–Producing Industries
			MSA	Ohio	U.S.				
392.2	367.9	24.2	6.2	5.9	5.8	1979	408.8	138.8	270.0
390.2	361.0	29.2	7.5	8.4	7.1	1980	397.1	126.1	271.1
390.8	357.9	32.8	8.4	9.6	7.6	1981	393.2	123.2	269.9
391.8	347.1	44.7	11.4	12.5	9.7	1982	374.3	108.0	266.3
438.5[c]	391.9[c]	46.6[c]	10.6[c]	12.2	9.6	1983	372.3	106.4	265.8
440.1	404.8	35.2	8.0	9.4	7.5	1984	392.7	116.1	276.6
450.4	418.1	32.4	7.2	8.9	7.2	1985	408.9	120.2	288.7
460.5	430.1	30.3	6.6	8.1	7.0	1986	419.4	121.0	298.4
463.8	437.7	26.2	5.6	7.0	6.2	1987	429.8	121.2	308.6
468.2	443.9	24.4	5.2	6.0	5.5	1988	437.7	122.6	315.1
478.2	453.8	24.4	5.1	5.5	5.3	1989	448.4	123.0	325.4
476.8	451.5	25.4	5.3	5.7	5.5	1990	452.2	119.2	333.0

[a] Civilian labor force estimates are based on place of residence. Nonagricultural wage and salary employment estimates are based on place of work.
[b] Unemployment as percent of civilian labor force.
[c] Data not comparable to previous years due to change in metropolitan area definition.

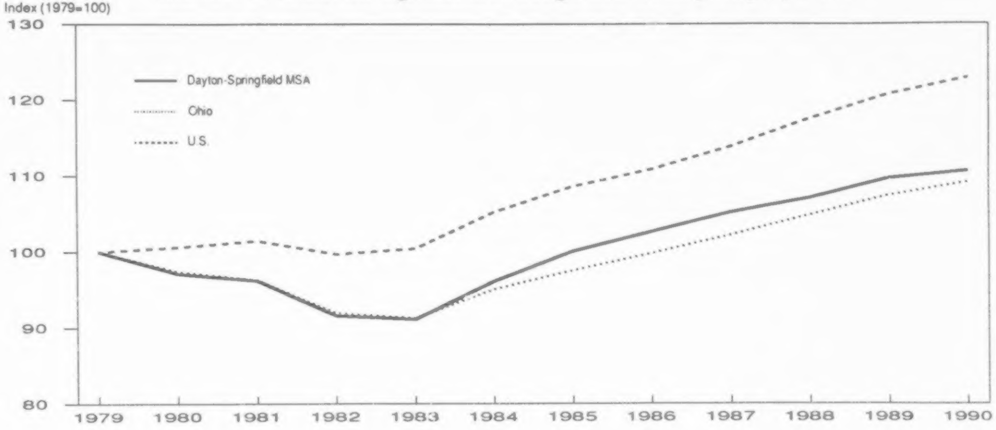
Nonfarm payroll employment in the Dayton-Springfield area rose 79,900 since the 1983 economic downturn. Expansion in services created 33,500 jobs. Noteworthy growth occurred in retail trade, manufacturing, government, and construction. From 1979 to 1990, employment increased 43,400 or 10.6 percent. During the same period, the area lost 19,900 manufacturing jobs.

Dayton-Springfield MSA
Division-Level Nonagricultural Wage and Salary Employment

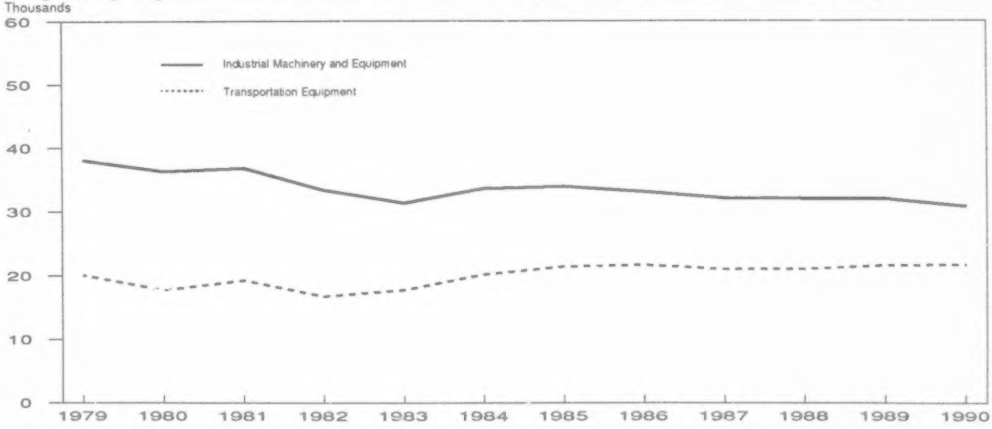
(Employed and Unemployed in Thousands)

Construction	Manufacturing		Transportation & Utilities	Wholesale Trade	Retail Trade		Finance, Insurance, & Real Estate	Services	Government
15.8	122.5	1979	16.3	16.8	68.3	1979	15.6	79.5	73.6
14.7	110.9	1980	15.6	16.9	66.1	1980	15.6	82.3	74.6
13.0	109.9	1981	14.8	17.7	64.0	1981	15.7	84.1	73.8
10.4	97.3	1982	14.4	17.5	62.4	1982	15.6	84.8	71.7
10.6	95.5	1983	13.9	17.6	63.0	1983	15.8	84.7	70.8
12.1	103.7	1984	14.7	18.5	67.2	1984	16.1	89.2	70.9
13.5	106.3	1985	14.5	19.1	71.0	1985	16.6	95.4	72.1
14.8	105.7	1986	14.9	18.8	74.9	1986	17.2	100.2	72.6
16.4	104.3	1987	15.8	18.9	78.0	1987	17.9	104.5	73.5
17.2	105.0	1988	16.8	19.7	79.0	1988	17.9	108.4	73.3
17.5	105.0	1989	17.5	20.5	80.0	1989	17.6	114.0	75.8
16.1	102.6	1990	18.4	20.0	82.0	1990	17.3	118.2	77.1

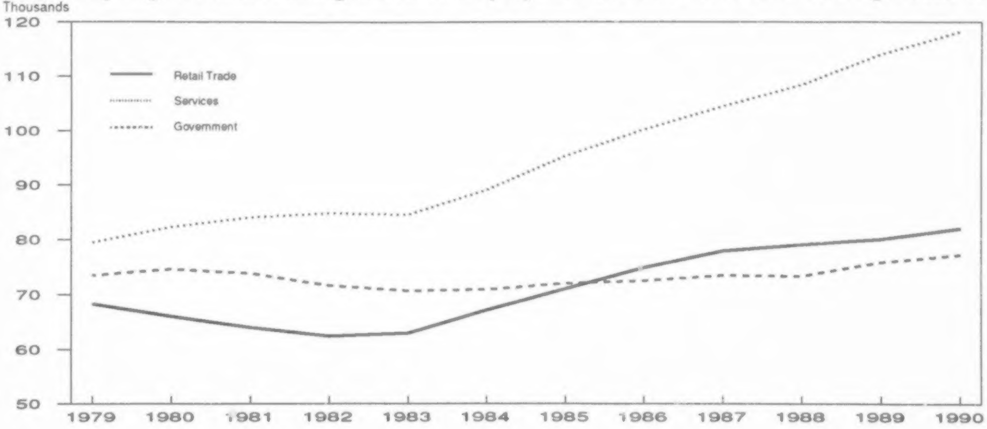
Indexes of Total Nonagricultural Wage and Salary Employment



Dayton-Springfield MSA Nonagricultural Employment (Selected Goods–Producing Industries)



Dayton-Springfield MSA Nonagricultural Employment (Selected Service–Producing Industries)



Dayton–Springfield MSA

Nonagricultural Wage and Salary Employment, 1990[a]
(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	452.2	444.5	445.2	449.2	450.5	453.9	455.3	449.6	450.7	456.3	456.4	457.1	457.4
Goods-Producing Industries[b]	119.2	116.6	117.2	118.1	118.9	120.1	121.6	121.4	120.6	120.5	119.5	118.3	117.0
Construction	16.1	15.2	14.9	15.5	15.8	16.4	16.9	17.1	17.1	16.9	16.5	16.1	15.5
Manufacturing	102.6	101.1	101.9	102.2	102.7	103.3	104.3	103.9	103.0	103.2	102.6	101.7	101.1
Durable Goods[c]	73.4	72.7	73.1	73.5	73.9	74.2	74.9	74.3	73.5	73.5	73.2	72.4	72.1
Fabricated Metal Products	8.3	8.3	8.3	8.4	8.3	8.4	8.4	8.4	8.3	8.4	8.3	8.0	7.9
Industrial Machinery and Equipment	30.9	30.9	30.7	30.9	31.2	31.2	31.5	31.3	30.8	30.5	30.5	30.4	30.5
Metalworking Machinery	8.4	8.4	8.4	8.3	8.4	8.4	8.5	8.6	8.4	8.2	8.3	8.3	8.2
General Industrial Machinery	2.9	2.9	2.9	2.8	2.8	2.9	2.9	2.9	3.0	2.9	2.9	2.9	2.9
Electronic and Other Electric Equipment	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Transportation Equipment	21.6	20.9	21.5	21.6	21.6	21.8	22.0	21.8	21.6	22.0	21.8	21.6	21.6
Motor Vehicles and Equipment	18.5	17.7	18.3	18.4	18.4	18.6	18.8	18.7	18.5	18.9	18.7	18.6	18.6
Nondurable Goods[d]	29.2	28.4	28.9	28.7	28.9	29.1	29.4	29.6	29.5	29.7	29.4	29.4	29.0
Food and Kindred Products	2.6	2.7	2.5	2.5	2.5	2.5	2.6	2.7	2.6	2.7	2.7	2.7	2.7
Paper and Allied Products	6.3	6.2	6.2	6.2	6.2	6.2	6.3	6.4	6.5	6.4	6.5	6.6	6.6
Printing and Publishing	8.9	9.0	9.0	9.0	9.0	8.9	8.9	9.0	9.0	9.0	8.7	8.7	8.7
Rubber and Miscellaneous Plastics Products	7.7	7.1	7.8	7.6	7.7	7.8	7.9	7.9	7.7	7.9	7.7	7.7	7.5
Service-Producing Industries	333.0	327.9	327.9	331.1	331.6	333.8	333.7	328.2	330.1	335.8	336.9	338.8	340.3
Transportation and Public Utilities	18.4	18.1	18.0	18.1	18.1	18.2	18.3	18.4	18.7	18.7	18.5	18.6	18.8
Transportation	11.9	11.6	11.7	11.8	11.7	11.9	11.9	11.9	12.1	12.2	12.1	12.1	12.3
Trucking and Warehousing	6.0	5.8	5.8	5.8	6.0	6.0	6.1	6.1	6.0	6.0	6.0	6.0	6.1
Communications, Electric, Gas Services	6.4	6.5	6.3	6.3	6.4	6.4	6.5	6.5	6.5	6.5	6.4	6.5	6.5
Communications	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
Wholesale Trade	20.0	19.9	20.0	20.1	20.1	20.2	20.3	20.0	19.8	19.9	19.8	19.8	19.9
Wholesale Trade-Durable Goods	13.7	13.7	13.7	13.8	13.8	13.8	13.9	13.6	13.5	13.6	13.5	13.5	13.5
Wholesale Trade-Nondurable Goods	6.3	6.2	6.2	6.3	6.3	6.4	6.4	6.4	6.3	6.3	6.3	6.3	6.4
Retail Trade	82.0	79.9	79.0	80.3	81.0	82.1	82.6	82.0	82.6	82.5	82.5	83.8	85.1
General Merchandise Stores	12.8	12.6	11.8	12.3	12.5	12.6	12.6	12.6	12.8	12.9	13.0	13.7	14.3
Finance, Insurance, and Real Estate	17.3	17.0	17.0	17.1	17.2	17.3	17.5	17.7	17.6	17.5	17.3	17.4	17.5
Finance	9.5	9.4	9.4	9.4	9.4	9.4	9.5	9.6	9.6	9.6	9.5	9.5	9.6
Depository Institutions	7.2	7.1	7.2	7.1	7.1	7.2	7.3	7.3	7.3	7.3	7.2	7.3	7.4
Insurance	4.4	4.3	4.3	4.3	4.3	4.3	4.3	4.4	4.4	4.4	4.5	4.6	4.6

See footnotes at end of table.

RS–790–1–6 (1990)

Dayton-Springfield MSA

Nonagricultural Wage and Salary Employment, 1990[a] (continued)

(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Services	118.2	115.1	116.6	117.3	117.3	116.9	117.9	117.6	118.5	120.4	120.3	120.4	120.6
Business Services	23.7	22.4	22.5	22.3	22.9	23.5	23.8	24.1	24.4	24.5	24.7	24.7	24.8
Personnel Supply Services	7.0	6.2	6.3	6.0	6.3	6.8	6.9	7.2	7.4	7.4	7.7	7.7	7.7
Computer and Data Processing Services	5.7	5.2	5.2	5.2	5.7	5.7	5.8	5.9	5.9	5.9	5.9	6.0	[illegible]
Health Services	39.1	39.1	38.9	39.1	38.5	38.5	39.0	39.3	39.4	39.4	39.3	39.3	39.7
Nursing and Personal Care Facilities	7.0	7.2	7.0	7.0	6.9	6.9	6.9	7.0	7.0	7.0	7.0	7.0	7.1
Hospitals	19.9	20.0	20.0	20.1	19.5	19.5	19.7	19.9	20.0	19.9	19.9	19.9	20.0
Educational Services	8.2	8.6	9.6	9.6	9.1	7.6	6.5	5.6	5.5	8.4	9.2	9.6	9.3
Social Services	6.3	6.1	6.2	6.3	6.3	6.3	6.3	6.2	6.2	6.3	6.4	6.4	6.5
Engineering and Management Services	10.5	10.3	10.3	10.4	10.5	10.4	10.5	10.5	10.6	10.5	10.5	10.5	10.5
Research and Testing Services	3.2	3.2	3.2	3.1	3.2	3.2	3.2	3.3	3.3	3.2	3.2	3.2	3.2
Government	77.1	77.9	77.3	78.2	77.9	79.1	77.0	72.6	72.9	76.8	78.4	78.8	78.4
Federal Government	29.1	29.4	29.3	29.3	29.6	30.0	29.2	29.1	29.1	28.5	28.4	28.5	28.3
State Government	7.3	7.3	7.1	7.5	7.6	7.4	7.6	6.7	6.7	7.0	7.7	7.7	7.7
State Government Education[e]	4.4	4.4	4.2	4.6	4.7	4.5	4.5	3.7	3.7	4.0	4.7	4.8	4.8
Local Government	40.7	41.2	40.9	41.4	40.7	41.7	40.2	36.8	37.1	41.3	42.4	42.6	42.4
Local Government Education	24.9	25.9	25.8	26.2	25.4	26.0	23.7	20.2	20.5	25.2	26.6	27.0	26.8

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton-Springfield area is defined as Clark, Greene, Miami, and Montgomery Counties. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes mining. [c] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [d] Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [e] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [f] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-6 (1990)

Dayton–Springfield MSA

Nonagricultural Wage and Salary Employment, 1989[a]

(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	448.4	439.2	440.9	444.2	446.8	448.3	449.7	446.1	447.1	453.7	453.4	454.8	456.0
Goods-Producing Industries[b]	123.0	122.0	121.6	122.5	122.1	123.0	124.2	124.1	124.7	124.7	123.3	122.6	121.2
Construction	17.5	16.1	15.8	16.5	17.0	17.8	18.3	18.6	18.6	18.4	18.1	17.9	17.2
Manufacturing	105.0	105.6	105.4	105.6	104.6	104.7	105.4	105.0	105.6	105.9	104.7	104.2	103.6
Durable Goods[c]	75.4	76.0	75.6	75.7	75.2	75.1	75.7	75.2	75.7	75.9	75.2	74.9	74.2
Fabricated Metal Products	8.6	8.5	8.5	8.6	8.6	8.6	8.6	8.7	8.6	8.6	8.6	8.5	8.4
Industrial Machinery and Equipment	32.0	32.3	32.3	32.4	31.9	32.0	32.2	31.8	32.1	32.3	31.8	31.8	31.6
Metalworking Machinery	8.6	8.3	8.4	8.5	8.5	8.6	8.6	8.7	8.7	8.7	8.7	8.6	8.7
General Industrial Machinery	2.9	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.9	2.9	2.9
Electronic and Other Electric Equipment	4.1	4.6	4.5	4.4	4.1	4.0	4.0	4.0	4.0	4.0	3.9	3.7	3.7
Transportation Equipment	21.6	21.6	21.5	21.4	21.5	21.5	21.7	21.4	21.6	21.8	21.7	21.8	21.4
Motor Vehicles and Equipment	18.4	18.4	18.3	18.3	18.4	18.4	18.6	18.2	18.4	18.6	18.4	18.5	18.2
Nondurable Goods[d]	29.7	29.6	29.8	29.8	29.5	29.6	29.7	29.8	29.9	29.9	29.5	29.3	29.4
Food and Kindred Products	2.8	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.9	3.0	2.9	2.8	2.8
Paper and Allied Products	6.1	6.0	6.0	6.0	6.0	6.1	6.1	6.2	6.2	6.1	6.1	6.1	6.1
Printing and Publishing	8.9	8.9	8.9	9.0	8.8	8.9	8.9	9.1	9.1	9.0	8.8	8.9	8.9
Rubber and Miscellaneous Plastics Products	8.2	8.5	8.4	8.4	8.2	8.2	8.2	8.0	8.0	8.1	7.9	8.0	7.9
Service-Producing Industries	325.4	317.2	319.3	321.6	324.7	325.4	325.6	322.1	322.4	329.0	330.1	332.2	334.8
Transportation and Public Utilities	17.5	16.8	17.0	17.2	17.3	17.4	17.6	17.5	17.8	17.8	17.7	17.8	18.1
Transportation	11.2	10.8	10.9	11.1	11.1	11.1	11.2	11.1	11.4	11.5	11.3	11.4	11.6
Trucking and Warehousing	5.9	5.7	5.8	6.0	6.0	6.0	6.1	6.0	5.9	5.9	5.8	5.8	5.9
Communications, Electric, Gas Services	6.3	6.1	6.1	6.1	6.2	6.3	6.4	6.4	6.4	6.3	6.5	6.4	6.5
Communications	3.5	3.4	3.5	3.4	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
Wholesale Trade	20.5	20.1	20.3	20.6	20.6	20.7	20.9	20.8	20.5	20.5	20.2	20.1	20.2
Wholesale Trade-Durable Goods	14.2	14.1	14.3	14.4	14.4	14.4	14.5	14.3	14.1	14.1	13.8	13.8	13.8
Wholesale Trade-Nondurable Goods	6.3	6.0	6.1	6.2	6.2	6.2	6.3	6.5	6.4	6.4	6.4	6.4	6.3
Retail Trade	80.0	78.0	77.1	78.2	78.9	79.6	80.1	79.8	80.1	80.6	80.9	82.3	83.9
General Merchandise Stores	11.8	11.7	11.1	11.2	11.2	11.2	11.2	11.3	11.5	12.0	12.4	13.2	13.8
Finance, Insurance, and Real Estate	17.6	17.6	17.5	17.7	17.5	17.7	17.8	17.9	17.9	17.8	17.5	17.4	17.4
Finance	9.7	9.8	9.8	9.9	9.7	9.7	9.8	9.9	9.9	9.8	9.6	9.5	9.6
Depository Institutions	7.4	7.5	7.5	7.5	7.4	7.5	7.5	7.5	7.5	7.4	7.3	7.3	7.4
Insurance	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.4	4.4	4.4	4.4	4.4	4.4

See footnotes at end of table.

RS–790–1–6 (1989)

Dayton-Springfield MSA

Nonagricultural Wage and Salary Employment, 1989[a] (continued)

(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Services	114.0	109.3	111.2	112.4	113.5	112.7	114.0	113.8	114.9	116.5	116.5	116.7	116.8
Business Services	22.3	20.5	20.9	21.1	21.7	22.1	22.3	22.6	23.0	23.0	23.3	23.3	23.6
Personnel Supply Services	6.5	5.6	5.7	5.7	6.0	6.4	6.5	6.6	6.8	6.8	7.1	7.1	7.2
Computer and Data Processing Services	4.9	4.6	4.6	4.7	4.6	4.8	4.9	4.9	4.9	4.9	5.0	5.0	5.1
Health Services	38.3	37.2	37.3	37.4	37.9	38.1	38.4	38.7	38.7	38.6	38.7	38.8	39.1
Nursing and Personal Care Facilities	7.0	7.0	7.0	7.0	6.9	7.0	7.0	7.0	7.0	6.9	7.0	7.0	7.1
Hospitals	19.6	19.1	19.1	19.0	19.5	19.6	19.7	19.8	19.8	19.7	19.8	19.8	19.8
Educational Services	8.2	8.2	9.2	9.2	8.9	7.2	6.7	6.0	5.6	8.6	9.5	9.7	9.3
Social Services	5.8	5.7	5.8	5.9	5.8	5.8	5.9	5.7	5.7	5.9	6.0	5.9	6.0
Engineering and Management Services	10.1	9.9	9.9	10.0	9.9	9.9	9.9	10.2	10.4	10.4	10.2	10.2	10.3
Research and Testing Services	3.3	3.2	3.2	3.2	3.2	3.2	3.3	3.4	3.4	3.3	3.3	3.2	3.2
Government	75.8	75.4	76.1	75.6	77.0	77.3	75.3	72.3	71.2	75.8	77.3	77.9	78.3
Federal Government	29.0	27.8	27.8	28.0	28.9	28.9	29.4	29.7	29.8	29.4	29.5	29.2	29.6
State Government	7.2	7.2	7.3	7.3	7.4	7.3	7.4	7.5	6.5	6.5	6.7	7.3	7.4
State Government Education[e]	4.3	4.4	4.4	4.5	4.5	4.4	4.5	4.5	3.6	3.6	3.9	4.5	4.6
Local Government	39.6	40.3	41.0	40.4	40.7	41.2	38.5	35.2	34.9	40.0	41.1	41.4	41.3
Local Government Education	24.5	25.7	26.3	25.7	25.9	26.2	22.9	19.4	19.2	24.7	26.0	26.3	26.0

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton-Springfield area is defined as Clark, Greene, Miami, and Montgomery Counties. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes mining. [c] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [d] Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [e] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [f] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-6 (1989)

Dayton-Springfield MSA

Average Hourly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$13.43	$12.93	$13.07	$13.22	$13.12	$13.56	$13.86	$13.52	$13.33	$13.69	$13.67	$13.54	$13.60
Durable Goods[b]	13.82	13.34	13.44	13.61	13.45	13.91	14.25	13.85	13.68	14.13	14.11	13.97	14.03
Fabricated Metal Products	9.83	9.84	9.94	9.84	9.75	10.03	10.05	9.77	9.74	9.74	9.71	9.65	9.84
Industrial Machinery and Equipment	14.08	13.84	13.75	13.87	13.84	14.14	14.10	13.99	14.11	14.40	14.24	14.28	14.39
Metalworking Machinery	13.23	13.07	12.98	12.97	12.90	13.17	13.32	13.08	13.34	13.50	13.32	13.55	13.61
General Industrial Machinery	11.91	11.47	11.52	11.96	11.49	11.81	11.94	11.75	11.85	12.04	12.25	12.33	12.40
Electronic and Other Electric Equipment	8.90	8.82	8.89	8.91	8.72	8.82	8.97	9.04	8.91	8.85	8.85	8.95	9.03
Transportation Equipment	17.02	16.25	16.43	16.73	16.46	17.17	17.82	17.18	16.72	17.37	17.54	17.06	17.29
Motor Vehicles and Equipment	17.28	16.45	16.65	17.00	16.71	17.45	18.16	17.41	16.95	17.61	17.78	17.31	17.58
Nondurable Goods[c]	12.25	11.62	11.94	12.04	12.13	12.49	12.63	12.50	12.28	12.36	12.33	12.29	12.35
Food and Kindred Products	8.75	8.72	8.75	8.85	8.78	8.87	8.95	8.66	8.70	8.65	8.72	8.63	8.67
Paper and Allied Products	11.44	11.16	11.15	11.25	11.26	11.64	11.48	11.32	11.48	11.50	11.55	11.68	11.77
Printing and Publishing	11.71	11.53	11.62	11.69	11.70	11.71	11.73	11.72	11.73	11.84	11.75	11.76	11.78
Rubber and Miscellaneous Plastics Products	16.06	15.01	15.51	15.64	15.83	16.35	16.88	16.81	16.17	16.24	16.19	15.98	15.85
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	14.08	13.82	13.85	13.83	14.01	13.95	14.06	14.11	14.05	14.11	14.21	14.39	14.52
Communications	14.31	13.91	14.03	13.97	14.27	14.07	14.23	14.28	14.32	14.30	14.42	14.79	15.02
Wholesale Trade	10.04	9.93	10.00	10.04	9.97	9.96	10.04	9.95	9.97	10.06	10.14	10.26	10.14
Retail Trade[d]	6.25	6.05	6.09	6.18	6.18	6.19	6.18	6.21	6.27	6.34	6.38	6.39	6.46
General Merchandise Stores	6.61	6.45	6.55	6.55	6.50	6.48	6.46	6.53	6.65	6.76	6.77	6.64	6.87
Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health Services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	11.98	11.77	11.78	11.73	11.99	12.01	12.05	12.14	12.11	12.13	11.98	12.05	12.05

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton-Springfield area is defined as Clark, Greene, Miami, and Montgomery Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [c] Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [d] Money payments only; tips not included. [f] Depressed due to labor-management disputes during part of pay period. [g] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
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Dayton-Springfield MSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	42.1	41.4	41.7	41.9	41.1	43.0	43.7	42.2	41.8	43.1	42.5	41.7	41.5
Durable Goods[b]	42.6	41.8	42.2	42.3	41.2	43.3	44.3	42.6	42.2	43.7	43.1	42.1	42.2
Fabricated Metal Products	40.9	40.7	41.3	40.7	40.0	42.4	41.9	40.5	41.4	41.1	40.4	40.3	40.5
Industrial Machinery and Equipment	43.1	42.7	42.5	42.4	41.5	43.6	43.0	42.8	43.4	44.6	43.7	43.3	43.2
Metalworking Machinery	44.9	45.7	44.7	43.8	43.0	44.6	44.9	44.3	46.4	46.5	44.9	45.2	44.9
General Industrial Machinery	44.4	44.5	43.0	44.8	40.8	44.7	45.7	42.7	42.9	45.4	45.7	45.9	46.3
Electronic and Other Electric Equipment	42.6	41.7	42.4	41.8	41.5	42.1	43.2	42.9	42.7	43.1	42.9	43.8	43.3
Transportation Equipment	43.3	41.7	42.7	43.2	41.7	44.3	48.0	43.8	41.6	44.8	44.1	41.9	41.8
Motor Vehicles and Equipment	43.2	41.4	42.6	43.2	41.7	44.4	48.5	43.8	41.3	44.9	44.0	41.4	41.2
Nondurable Goods[c]	40.8	40.1	40.2	40.6	40.5	42.1	42.1	41.0	40.6	41.5	41.0	40.6	39.8
Food and Kindred Products	39.3	38.9	38.1	39.2	39.9	40.4	41.1	39.0	39.2	39.0	39.3	38.4	38.9
Paper and Allied Products	43.8	43.4	42.6	43.3	42.3	45.5	44.0	43.3	43.5	45.0	45.0	44.6	42.8
Printing and Publishing	39.1	38.6	39.5	40.0	39.8	39.5	38.8	39.3	38.6	39.7	38.8	38.6	37.9
Rubber and Miscellaneous Plastics Products	39.5	37.1	38.6	38.5	39.3	41.3	42.2	41.4	39.3	40.3	39.1	38.5	37.9
Transportation and Public Utilities	....	....	....	....	....	....	....	....	....	....	....	....	....
Communications, Electric, Gas Services	40.4	40.7	40.6	40.5	40.2	39.9	40.2	40.4	39.8	40.3	40.3	40.7	41.2
Communications	40.3	39.9	39.5	40.3	39.9	39.8	39.8	40.3	40.0	40.3	40.2	41.1	41.9
Wholesale Trade	39.4	39.4	39.5	39.4	39.5	39.2	39.7	39.6	39.5	39.2	39.4	39.1	38.9
Retail Trade	28.3	27.6	27.9	28.0	28.2	28.5	28.7	28.9	28.6	28.2	28.1	27.9	29.1
General Merchandise Stores	28.1	27.2	26.9	27.8	27.7	27.8	28.2	28.7	28.1	28.0	27.9	27.3	31.3
Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Health Services	....	....	....	....	....	....	....	....	....	....	....	....	....
Hospitals	34.6	34.8	34.4	34.3	34.4	34.2	34.6	34.7	34.6	35.0	34.5	34.7	34.5

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton-Springfield area is defined as Clark, Greene, Miami, and Montgomery Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [c] Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Depressed due to labor-management disputes during part of pay period. [g] Not comparable to previous estimates.

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Dayton-Springfield MSA

Average Weekly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$565.40	$535.30	$545.02	$553.92	$539.23	$583.08	$605.68	$570.54	$557.19	$590.04	$580.98	$564.62	$564.40
Durable Goods[b]	588.73	557.61	567.17	575.70	554.14	602.30	631.28	590.01	577.30	617.48	608.14	588.14	592.07
Fabricated Metal Products	402.05	400.49	410.52	400.49	390.00	425.27	421.10	395.69	403.24	400.31	392.28	388.90	398.52
Industrial Machinery and Equipment	606.85	590.97	584.38	588.09	574.36	616.50	606.30	598.77	612.37	642.24	622.29	618.32	621.65
Metalworking Machinery	594.03	597.30	580.21	568.09	554.70	587.38	598.07	579.44	618.98	627.75	598.07	612.46	611.09
General Industrial Machinery	528.80	510.42	495.36	535.81	468.79	527.91	545.66	501.73	508.37	546.62	559.83	565.95	574.12
Electronic and Other Electric Equipment	379.14	367.79	376.94	372.44	361.88	371.32	387.50	387.82	380.46	381.44	379.67	392.01	391.00
Transportation Equipment	736.97	677.63	701.56	722.74	686.38	760.63	855.36	752.48	695.55	778.18	773.51	714.81	722.72
Motor Vehicles and Equipment	746.50	681.03	709.29	734.40	696.81	774.78	880.76	762.56	700.04	790.69	782.32	716.63	724.30
Nondurable Goods[c]	499.80	465.96	479.99	488.82	491.27	525.83	531.72	512.50	498.57	512.94	505.53	498.97	491.53
Food and Kindred Products	343.88	339.21	333.38	346.92	350.32	358.35	367.85	337.74	341.04	337.35	342.70	331.39	337.26
Paper and Allied Products	501.07	484.34	474.99	487.13	476.30	529.62	505.12	490.16	499.38	517.50	519.75	520.93	503.76
Printing and Publishing	457.86	445.06	458.99	467.60	465.66	462.55	455.12	460.60	452.78	470.05	455.90	453.94	446.46
Rubber and Miscellaneous Plastics Products	634.37	556.87	598.69	602.14	622.12	675.26	712.34	695.93	635.48	654.47	633.03	615.23	600.72
Transportation and Public Utilities	......	......	......	......	......	......	......	......	......	......	......	......	......
Communications, Electric, Gas Services	568.83	562.47	562.31	560.12	563.20	556.61	565.21	570.04	559.19	568.63	572.66	585.67	598.22
Communications	576.69	555.01	554.19	562.99	569.37	559.99	566.35	575.48	572.80	576.29	579.68	607.87	629.34
Wholesale Trade	395.58	391.24	395.00	395.58	393.82	390.43	398.59	394.02	393.82	394.35	399.52	401.17	394.45
Retail Trade[d]	176.88	166.98	169.91	173.04	174.28	176.42	177.37	179.47	179.32	178.79	179.28	178.28	187.99
General Merchandise Stores	185.74	175.44	176.20	182.09	180.05	180.14	182.17	187.41	186.87	189.28	188.88	181.27	215.03
Finance, Insurance, and Real Estate	......	......	......	......	......	......	......	......	......	......	......	......	......
Finance	......	......	......	......	......	......	......	......	......	......	......	......	......
Depository Institutions	277.33	269.47	273.68	277.26	273.58	271.35	273.38	270.29	276.95	286.00	280.60	284.90	290.26
Services	......	......	......	......	......	......	......	......	......	......	......	......	......
Health Services	......	......	......	......	......	......	......	......	......	......	......	......	......
Hospitals	414.51	409.60	405.23	402.34	412.46	410.74	416.93	421.26	419.01	424.55	413.31	418.14	415.73

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton-Springfield area is defined as Clark, Greene, Miami, and Montgomery Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing industries. [c] Includes tobacco products; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [d] Money payments only; tips not included. [f] Depressed due to labor-management disputes during part of pay period. [g] Not comparable to previous estimates.

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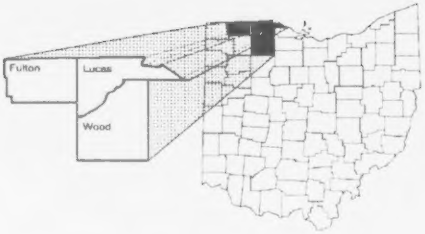
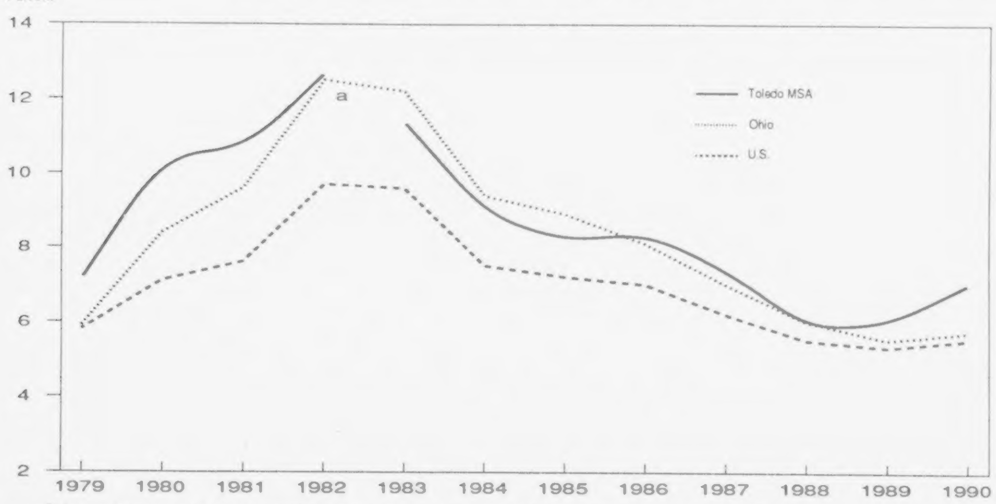
Toledo Metropolitan Statistical Area



In the Toledo metropolitan area, the estimated annual average civilian labor force, distributed by place of residence, dropped 2,300 below the 1989 level to 313,900 in 1990. The total number of employed workers fell 5,300 to 292,100, while unemployment rose 3,000 over the year. The unemployment rate increased from 6.0 percent in 1989 to 6.9 percent in 1990.

Nonagricultural wage and salary employment declined 1,200 from 1989 to 290,700 in 1990. Employment in the goods-producing sector, at 71,200, lost 2,500 jobs due to production cutbacks in nearly all major manufacturing industries. Noteworthy reductions were posted in transportation equipment, fabricated metal products, rubber and miscellaneous plastics products, industrial machinery and equipment, and food and kindred products. Construction employment was down fractionally from 1989. Expansion in service-producing industries added 1,300 employees to the workforce. Over-the-year growth in services, transportation and public utilities, and government more than offset declines in retail trade and wholesale trade.

Toledo MSA, Ohio and U.S. Unemployment Rates



[a] Metropolitan area definition changed effective with data for 1983. Prior data are not strictly comparable.

Toledo MSA
Civilian Labor Force and Nonagricultural Wage and Salary Employment[a]

(Employed and Unemployed in Thousands)

Civilian Labor Force	Employment	Unemployment	Unemployment Rates[b]				Nonagricultural Wage and Salary Employment	Goods-Producing Industries	Service-Producing Industries
			MSA	Ohio	U.S.				
368.2	341.7	26.4	7.2	5.9	5.8	1979	268.2	88.0	180.2
368.2	329.8	38.4	10.4	8.4	7.1	1980	257.0	77.1	179.9
367.4	328.0	39.4	10.7	9.6	7.6	1981	254.2	75.6	178.7
369.4	323.0	46.4	12.6	12.5	9.7	1982	244.4	67.8	176.6
289.2[c]	256.1[c]	33.1[c]	11.4[c]	12.2	9.6	1983	245.3	67.1	178.2
293.5	267.3	26.2	8.9	9.4	7.5	1984	257.0	72.9	184.0
296.5	272.3	24.3	8.2	8.9	7.2	1985	264.5	74.5	190.1
307.1	281.2	25.8	8.4	8.1	7.0	1986	272.0	73.1	198.9
307.6	285.1	22.5	7.3	7.0	6.2	1987	278.0	72.5	205.5
311.0	292.7	18.2	5.9	6.0	5.5	1988	286.6	74.0	212.6
316.2	297.4	18.8	6.0	5.5	5.3	1989	291.9	73.7	218.2
313.9	292.1	21.8	6.9	5.7	5.5	1990	290.7	71.2	219.5

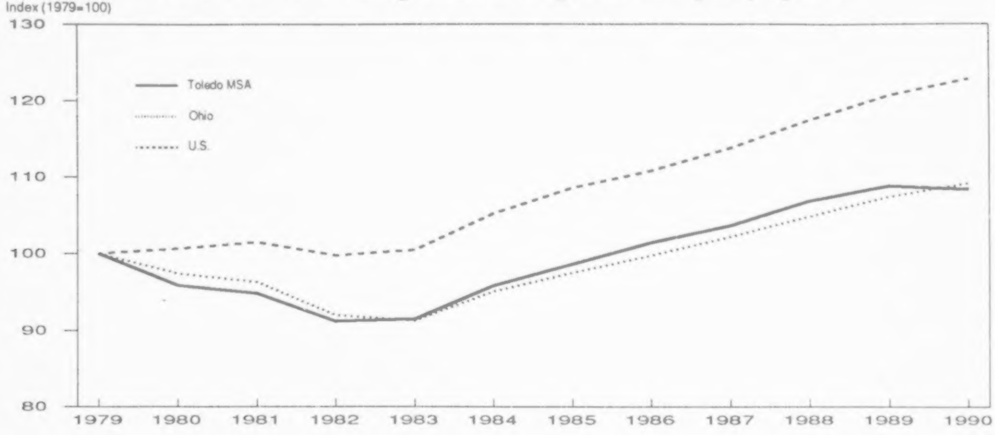
[a] Civilian labor force estimates are based on place of residence. Nonagricultural wage and salary employment estimates are based on place of work.
[b] Unemployment as percent of civilian labor force.
[c] Data not comparable to previous years due to change in metropolitan area definition

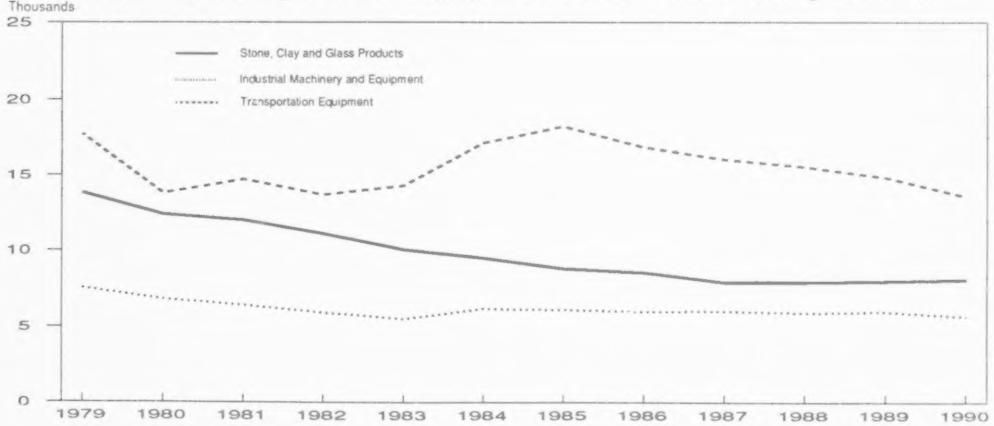
Nonfarm payroll employment in the Toledo area gained 45,400 jobs since the 1983 economic downturn. Significant growth occurred in services (+18,800) and retail trade (+12,400). Noteworthy improvements were posted in government, construction, and finance, insurance, and real estate. From 1979 to 1990, employment increased 22,500 or 8.4 percent. During the same period, the manufacturing workforce declined 18,200 and transportation and public utilities lost 2,900 jobs.

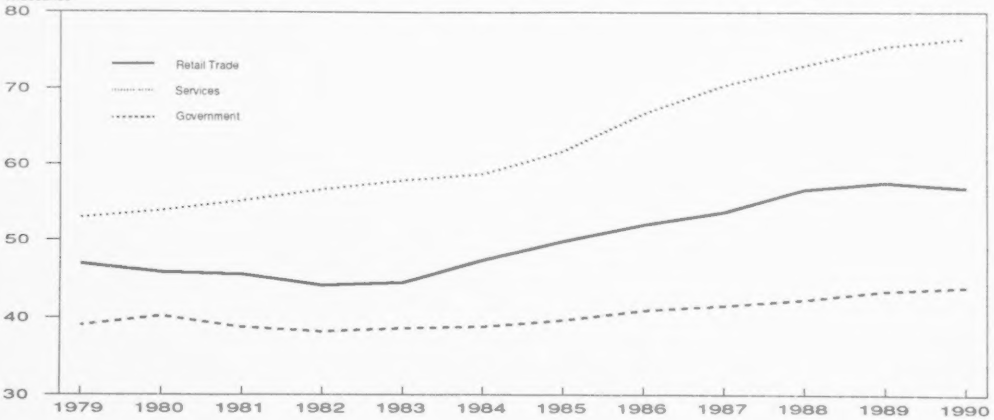
Toledo MSA
Division-Level Nonagricultural Wage and Salary Employment

(Employed and Unemployed in Thousands)

Construction	Manufacturing		Transportation & Utilities	Wholesale Trade	Retail Trade		Finance, Insurance, & Real Estate	Services	Government
10.3	77.4	1979	17.7	14.3	46.9	1979	9.3	53.0	39.0
10.5	66.4	1980	16.5	14.0	45.8	1980	9.4	53.9	40.2
9.5	65.8	1981	15.6	14.2	45.6	1981	9.4	55.1	38.7
7.4	60.2	1982	14.4	13.9	44.1	1982	9.4	56.6	38.1
7.3	59.6	1983	13.8	14.0	44.5	1983	9.5	57.8	38.6
7.9	64.8	1984	14.2	15.2	47.4	1984	9.7	58.7	38.8
8.5	65.7	1985	13.9	14.8	49.8	1985	10.2	61.7	39.6
9.5	63.4	1986	13.8	14.6	52.0	1986	11.0	66.6	40.9
10.1	62.2	1987	13.7	14.7	53.7	1987	11.6	70.3	41.5
11.1	62.7	1988	13.4	15.2	56.6	1988	12.2	72.9	42.3
11.9	61.5	1989	14.1	15.5	57.5	1989	12.1	75.5	43.4
11.8	59.2	1990	14.8	15.3	56.9	1990	12.1	76.6	43.9


Indexes of Total Nonagricultural Wage and Salary Employment


Toledo MSA Nonagricultural Employment (Selected Goods-Producing Industries)


Toledo MSA Nonagricultural Employment (Selected Service-Producing Industries)

Toledo MSA

Nonagricultural Wage and Salary Employment, 1990[a]

(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	290.7	281.9	286.0	288.4	291.2	294.0	293.1	288.9	288.4	294.4	294.8	295.7	291.4
Goods-Producing Industries[b]	71.2	66.5	69.6	70.0	71.8	72.4	73.1	73.1	73.3	73.9	72.3	71.8	66.7
Construction	11.8	10.6	10.5	11.0	11.9	12.1	12.2	12.4	12.6	12.6	12.5	12.0	11.3
Manufacturing	59.2	55.7	58.9	58.9	59.7	60.0	60.7	60.4	60.4	61.1	59.5	59.5	55.2
Durable Goods[c]	44.1	40.7	44.0	44.0	44.6	44.9	45.6	45.4	45.1	45.4	44.4	44.7	40.4
Stone, Clay, and Glass Products	8.1	8.0	8.1	8.1	8.3	8.3	8.2	8.1	8.1	8.3	8.2	8.2	7.8
Primary Metal Industries	3.2	3.2	3.1	3.1	3.1	3.1	3.2	3.1	3.3	3.3	3.2	3.3	3.3
Fabricated Metal Products	6.5	5.8	6.4	6.6	6.6	6.7	6.8	6.9	6.6	6.7	6.3	6.6	6.3
Metal Forgings and Stampings	2.5	2.0	2.6	2.6	2.6	2.6	2.6	2.7	2.4	2.6	2.3	2.6	2.3
Industrial Machinery and Equipment	5.7	5.7	5.6	5.6	5.6	5.6	5.7	5.8	5.8	5.9	5.8	5.8	5.8
Transportation Equipment	13.6	11.2	14.2	13.9	14.2	14.3	14.6	14.5	14.4	14.3	13.8	13.7	9.9
Nondurable Goods[d]	15.1	15.0	14.9	14.9	15.1	15.1	15.1	15.0	15.3	15.7	15.2	14.8	14.8
Food and Kindred Products	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.8	4.2	3.8	3.4	3.5
Rubber and Miscellaneous Plastics Products	3.8	3.7	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.9	3.8	3.9	3.8
Service-Producing Industries	219.5	215.4	216.4	218.4	219.4	221.6	220.0	215.8	215.1	220.5	222.5	224.0	224.7
Transportation and Public Utilities	14.8	14.1	14.3	14.5	14.5	14.7	14.9	15.0	14.9	14.9	15.0	15.0	15.2
Transportation	10.0	9.4	9.6	9.7	9.9	10.1	10.1	10.2	10.1	10.1	10.2	10.1	10.3
Communications, Electric, Gas Services	4.8	4.7	4.7	4.7	4.6	4.7	4.7	4.8	4.8	4.8	4.8	4.9	4.9
Wholesale Trade	15.3	15.2	15.1	15.1	15.2	15.3	15.4	15.4	15.4	15.3	15.4	15.3	15.2
Wholesale Trade-Durable Goods	9.9	9.9	9.8	9.9	9.8	9.9	9.9	10.0	10.0	10.0	10.0	9.9	9.9
Wholesale Trade-Nondurable Goods	5.3	5.3	5.2	5.3	5.4	5.4	5.4	5.4	5.3	5.3	5.4	5.3	5.4
Retail Trade	56.9	55.9	54.9	55.2	56.0	56.8	57.6	57.1	57.5	57.3	57.0	58.1	58.9
General Merchandise Stores	8.7	9.0	8.3	8.3	8.5	8.5	8.5	8.5	8.5	8.6	8.7	9.3	9.7
Finance, Insurance, and Real Estate	12.1	12.0	12.0	12.0	12.1	12.1	12.2	12.2	12.2	12.1	12.2	12.1	12.1
Finance	6.2	6.3	6.3	6.3	6.2	6.2	6.2	6.3	6.2	6.2	6.2	6.2	6.2
Insurance	3.8	3.7	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
Services	76.6	74.2	74.3	75.4	75.7	76.3	77.4	77.6	77.6	78.0	77.5	77.3	77.6
Business Services	12.7	12.5	12.4	12.6	12.6	12.7	12.9	13.0	13.0	13.0	12.7	12.6	12.7
Personnel Supply Services	4.7	4.3	4.3	4.5	4.5	4.7	4.9	4.9	4.9	5.0	4.8	4.9	4.8
Health Services	28.0	27.7	27.8	27.7	27.6	27.7	27.9	28.1	28.1	28.2	28.2	28.4	28.7
Nursing and Personal Care Facilities	4.1	4.1	4.2	4.1	4.0	4.0	4.0	4.1	4.1	4.1	4.1	4.0	4.1
Hospitals	15.2	15.1	15.1	15.1	15.2	15.2	15.2	15.2	15.2	15.3	15.3	15.4	15.5
Engineering and Management Services	6.1	5.9	6.0	6.0	5.9	5.9	6.0	6.1	6.2	6.1	6.2	6.2	6.2

See footnotes at end of table.

RS–790–1–7 (1990)

Toledo MSA

Nonagricultural Wage and Salary Employment, 1990[a] (continued)

(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Government	43.9	44.0	45.8	46.2	45.8	46.4	42.6	38.5	37.5	42.9	45.4	46.1	45.7
Federal Government	2.7	2.6	2.6	2.7	2.8	3.2	2.9	2.8	2.6	2.5	2.5	2.5	2.5
State Government	16.2	16.0	17.4	17.7	17.4	17.4	14.3	13.1	12.6	15.7	17.5	18.0	17.7
State Government Education[e]	11.9	11.7	13.1	13.3	13.1	13.0	9.8	8.7	8.2	11.4	13.2	13.7	13.5
Local Government	25.0	25.4	25.8	25.8	25.6	25.8	25.5	22.5	22.3	24.7	25.4	25.7	25.6
Local Government Education	14.4	14.8	15.3	15.2	14.9	15.1	14.6	11.5	11.5	14.2	15.0	15.3	15.2

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, and Wood Counties. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes mining. [c] Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [d] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [e] Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [f] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
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Toledo MSA

Nonagricultural Wage and Salary Employment, 1989[a]

(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	291.9	288.1	287.7	290.7	293.0	295.6	293.8	288.0	287.2	293.6	294.5	295.6	294.6
Goods-Producing Industries[b]	73.7	72.9	72.6	73.4	74.2	74.7	74.6	74.8	74.9	74.7	73.3	73.2	71.2
Construction	11.9	10.1	10.0	10.6	11.4	11.9	12.2	12.7	13.3	13.2	13.3	12.8	11.8
Manufacturing	61.5	62.6	62.4	62.7	62.6	62.5	62.1	61.8	61.3	61.2	59.8	60.1	59.2
Durable Goods[c]	45.8	46.9	46.9	47.2	46.9	46.8	46.3	46.1	45.2	44.9	44.2	44.7	44.0
Stone, Clay, and Glass Products	8.0	8.1	8.1	8.1	7.9	7.9	8.0	8.0	8.1	8.0	7.9	8.0	7.9
Primary Metal Industries	3.4	3.7	3.6	3.6	3.5	3.5	3.4	3.4	3.3	3.4	3.3	3.3	3.0
Fabricated Metal Products	7.0	7.2	7.2	7.2	7.2	7.2	7.2	6.9	6.9	6.9	6.6	6.6	6.6
Metal Forgings and Stampings	2.8	3.0	3.0	2.9	2.9	2.9	2.9	2.7	2.7	2.7	2.6	2.6	2.6
Industrial Machinery and Equipment	6.0	6.2	6.2	6.4	6.1	6.1	6.2	6.2	5.8	5.7	5.8	5.9	5.6
Transportation Equipment	14.9	15.3	15.3	15.3	15.7	15.5	14.8	14.9	14.6	14.4	14.1	14.4	14.2
Nondurable Goods[d]	15.7	15.7	15.5	15.5	15.6	15.8	15.8	15.7	16.1	16.3	15.6	15.4	15.2
Food and Kindred Products	4.1	4.0	3.8	3.7	3.9	4.0	4.0	4.1	4.5	4.7	4.1	4.0	4.0
Rubber and Miscellaneous Plastics Products	4.1	4.3	4.3	4.3	4.3	4.3	4.2	4.1	4.2	4.1	4.0	3.9	3.8
Service-Producing Industries	218.2	215.2	215.1	217.3	218.7	221.0	219.2	213.3	212.3	218.9	221.2	222.5	223.4
Transportation and Public Utilities	14.1	13.6	13.6	13.7	13.8	14.1	14.3	14.3	14.2	14.3	14.5	14.5	14.6
Transportation	9.3	8.8	8.8	8.9	9.0	9.2	9.4	9.4	9.4	9.4	9.6	9.7	9.8
Communications, Electric, Gas Services	4.8	4.8	4.8	4.8	4.8	4.9	4.9	4.9	4.9	4.8	4.8	4.8	4.8
Wholesale Trade	15.5	15.3	15.3	15.5	15.7	15.7	15.8	15.6	15.4	15.3	15.5	15.5	15.5
Wholesale Trade-Durable Goods	10.2	10.3	10.2	10.4	10.4	10.3	10.4	10.3	10.1	10.1	10.2	10.1	10.1
Wholesale Trade-Nondurable Goods	5.3	5.1	5.1	5.1	5.3	5.3	5.4	5.3	5.2	5.2	5.4	5.4	5.4
Retail Trade	57.5	57.1	56.1	56.6	57.2	58.4	58.4	57.4	57.6	57.3	57.0	58.3	59.2
General Merchandise Stores	8.4	8.6	8.1	8.1	8.1	8.2	8.1	8.2	8.2	8.2	8.4	9.2	9.6
Finance, Insurance, and Real Estate	12.1	11.9	11.9	12.0	12.0	12.2	12.3	12.2	12.2	12.1	12.2	12.2	12.1
Finance	6.3	6.3	6.3	6.4	6.4	6.4	6.5	6.4	6.4	6.4	6.3	6.3	6.2
Insurance	3.8	3.7	3.7	3.7	3.7	3.7	3.7	3.8	3.7	3.8	3.8	3.8	3.8
Services	75.5	72.9	73.3	74.2	74.9	75.6	77.0	76.3	76.3	76.7	76.5	76.0	76.1
Business Services	13.1	12.6	12.7	12.8	12.7	13.1	13.6	13.5	13.5	13.5	13.2	13.1	13.2
Personnel Supply Services	4.9	4.4	4.5	4.5	4.6	5.0	5.3	5.1	5.1	5.2	5.0	5.1	5.1
Health Services	27.6	27.1	27.2	27.4	27.4	27.5	27.6	27.8	27.8	27.8	27.8	27.7	27.9
Nursing and Personal Care Facilities	4.2	4.2	4.1	4.1	4.1	4.1	4.2	4.2	4.2	4.2	4.2	4.2	4.2
Hospitals	15.1	14.9	15.0	15.1	15.1	15.1	15.2	15.2	15.3	15.2	15.1	15.1	15.1
Engineering and Management Services	5.9	5.8	5.8	5.9	5.9	5.9	6.0	6.0	6.1	6.0	6.0	6.0	6.1

See footnotes at end of table.

RS-790-1-7 (1989)

Toledo MSA

Nonagricultural Wage and Salary Employment, 1989[a] (continued)
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Government	43.4	44.3	44.9	45.3	45.2	45.1	41.4	37.5	36.6	43.3	45.4	46.0	46.0
Federal Government	2.7	2.6	2.6	2.6	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.6
State Government	15.9	16.5	16.8	17.2	17.1	16.7	13.7	12.6	12.2	15.7	17.3	17.6	17.5
State Government Education[e]	11.7	12.4	12.7	13.0	12.9	12.5	9.4	8.3	7.9	11.4	13.1	13.4	13.2
Local Government	24.8	25.2	25.5	25.5	25.5	25.6	25.0	22.1	21.7	24.9	25.4	25.9	25.8
Local Government Education	14.3	14.8	15.2	15.2	15.0	15.1	14.2	11.2	10.9	14.4	14.8	15.2	15.3

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, and Wood Counties. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes mining. [c] Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [d] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [e] Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [f] Depressed due to labor-management disputes.

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Toledo MSA

Average Hourly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$13.46	$12.42	$13.19	$13.50	$13.53	$13.58	$13.50	$13.46	$13.57	$13.76	$13.58	$13.73	$13.40
Durable Goods[b]	13.65	12.28	13.35	13.76	13.77	13.80	13.68	13.63	13.78	14.10	13.83	13.92	13.44
Stone, Clay, and Glass Products	12.45	11.91	11.87	11.98	12.78	12.72	12.64	12.45	12.52	12.55	12.63	12.58	12.71
Primary Metal Industries	11.61	11.40	11.29	11.30	11.17	11.73	11.75	11.64	11.71	11.78	12.00	11.76	11.63
Fabricated Metal Products	11.72	11.27	11.73	11.96	11.51	11.81	11.62	11.55	11.89	11.73	11.58	11.98	12.00
Metal Forgings and Stampings	16.15	15.05	15.51	16.24	15.63	16.28	16.22	15.99	16.98	16.11	16.22	16.72	16.53
Industrial Machinery and Equipment	11.77	11.60	11.62	11.78	11.63	11.69	11.99	11.87	11.63	11.92	11.84	11.80	11.82
Transportation Equipment	17.62	17.36	16.72	17.60	17.58	17.61	17.43	17.48	17.72	18.37	17.85	17.80	17.75
Nondurable Goods[c]	12.85	12.74	12.64	12.60	12.75	12.86	12.90	12.92	12.88	12.68	12.75	13.17	13.26
Food and Kindred Products	14.53	14.77	14.19	14.09	13.64	14.15	14.58	14.76	14.61	13.80	14.63	15.78	15.40
Rubber and Miscellaneous Plastics Products	9.01	8.91	8.81	8.96	9.03	9.08	9.21	9.24	9.11	9.13	8.97	8.84	8.76
Transportation and Public Utilities	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communications, Electric, Gas Services	15.69	14.89	16.37	16.37	15.70	15.58	15.59	15.54	15.58	15.65	15.58	15.62	15.65
Wholesale Trade	10.39	10.30	10.30	10.39	10.31	10.31	10.45	10.39	10.42	10.46	10.46	10.37	10.53
Retail Trade[d]	6.19	6.05	6.04	6.03	6.05	6.08	6.05	6.14	6.13	6.20	6.29	6.77	6.37

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, and Wood Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [c] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d] Money payments only; tips not included. [f] Depressed due to labor-management disputes during part of pay period. [g] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-4-7 (1990)

Toledo MSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	43.1	42.1	41.8	43.6	43.0	43.4	43.4	42.8	43.1	44.4	43.1	43.4	42.8
Durable Goods[b]	43.2	41.7	42.0	44.3	43.0	43.6	43.3	42.7	43.3	44.8	43.3	43.0	42.3
Stone, Clay, and Glass Products	42.6	41.3	40.9	42.2	44.5	43.1	44.3	43.4	43.0	43.0	42.4	41.3	41.5
Primary Metal Industries	44.3	43.2	40.7	43.1	41.8	46.9	47.7	45.1	43.0	44.3	47.3	45.3	43.4
Fabricated Metal Products	43.6	40.3	41.4	46.6	44.0	44.3	43.5	42.4	46.2	45.6	43.8	43.1	41.6
Metal Forgings and Stampings	43.1	41.3	40.8	44.9	41.0	44.9	43.4	41.4	44.7	43.7	44.1	43.4	43.0
Industrial Machinery and Equipment	42.3	42.6	42.9	43.1	41.5	41.7	43.4	43.0	40.7	42.0	42.1	41.6	42.7
Transportation Equipment	43.5	42.8	42.4	45.5	43.9	43.6	43.0	42.1	42.9	46.4	42.8	43.4	42.0
Nondurable Goods[c]	42.9	42.8	41.2	41.5	42.7	42.8	43.7	43.1	42.6	43.4	42.6	44.5	44.1
Food and Kindred Products	45.4	48.3	43.1	42.8	40.4	43.5	46.2	47.7	45.5	46.4	44.4	49.0	48.3
Rubber and Miscellaneous Plastics Products	41.3	40.3	39.8	41.3	42.5	41.5	42.7	41.2	40.8	41.6	41.3	41.6	40.8
Transportation and Public Utilities	....	....	....	....	....	....	....	....	....	....	....	....	....
Communications, Electric, Gas Services	41.7	40.9	44.8	44.7	42.0	41.9	42.2	41.1	40.4	40.6	40.6	40.7	41.1
Wholesale Trade	40.1	40.0	40.1	40.5	40.6	40.4	40.0	39.8	40.0	40.2	39.9	39.8	40.0
Retail Trade	27.0	26.5	27.0	26.6	26.9	27.1	27.1	27.6	27.1	26.8	27.0	27.0	27.2

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, and Wood Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [c] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d] Depressed due to labor-management disputes during part of pay period. [g] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-3-7 (1990)

Toledo MSA

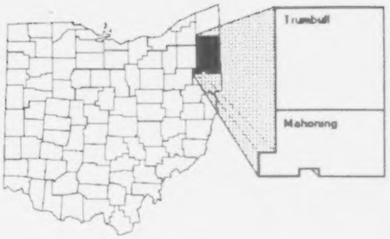
Average Weekly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$580.13	$522.88	$551.34	$588.60	$581.79	$589.37	$585.90	$576.09	$584.87	$610.94	$585.30	$595.88	$573.52
Durable Goods[b]	589.68	512.08	560.70	609.57	592.11	601.68	592.34	582.00	596.67	631.68	598.84	598.56	568.51
Stone, Clay, and Glass Products	530.37	491.88	485.48	505.56	568.71	548.23	559.95	540.33	538.36	539.65	535.51	519.55	527.47
Primary Metal Industries	514.32	492.48	459.50	487.03	466.91	550.14	560.48	524.96	503.53	521.85	567.60	532.73	504.74
Fabricated Metal Products	510.99	454.18	485.62	557.34	506.44	523.18	505.47	489.72	549.32	534.89	507.20	516.34	499.20
Metal Forgings and Stampings	696.07	621.57	632.81	729.18	640.83	730.97	703.95	661.99	759.01	704.01	715.30	725.65	710.79
Industrial Machinery and Equipment	497.87	494.16	498.50	507.72	482.65	487.47	520.37	510.41	473.34	500.64	498.46	490.88	504.71
Transportation Equipment	766.47	743.01	708.93	800.80	771.76	767.80	749.49	735.91	760.19	852.37	763.98	772.52	745.50
Nondurable Goods[c]	551.27	545.27	520.77	522.90	544.43	550.41	563.73	556.85	548.69	550.31	543.15	586.07	584.77
Food and Kindred Products	659.65	713.39	611.59	603.05	551.06	615.53	673.60	704.05	664.76	640.32	649.57	773.22	743.82
Rubber and Miscellaneous Plastics Products	372.11	359.07	350.64	370.05	383.78	376.82	393.27	380.69	371.69	379.81	370.46	367.74	357.41
Transportation and Public Utilities	......	......	......	......	......	......	......	......	......	......	......	......	......
Communications, Electric, Gas Services	654.27	609.00	733.38	731.74	659.40	652.80	657.90	638.69	629.43	635.39	632.55	635.73	643.22
Wholesale Trade	416.64	412.00	413.03	420.80	418.59	416.52	418.00	413.52	416.80	420.49	417.35	412.73	421.20
Retail Trade[d]	167.13	160.33	163.08	160.40	162.75	164.77	163.96	169.46	166.12	166.16	169.83	182.79	173.26
Finance, Insurance, and Real Estate	......	......	......	......	......	......	......	......	......	......	......	......	......
Finance	358.59	374.25	373.99	362.92	361.89	352.34	357.92	355.11	352.93	352.32	353.69	353.40	352.11

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, and Wood Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes lumber and wood products; furniture and fixtures; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [c] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d] Money payments only; tips not included. [f] Depressed due to labor-management disputes during part of pay period. [g] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-2-7 (1990)

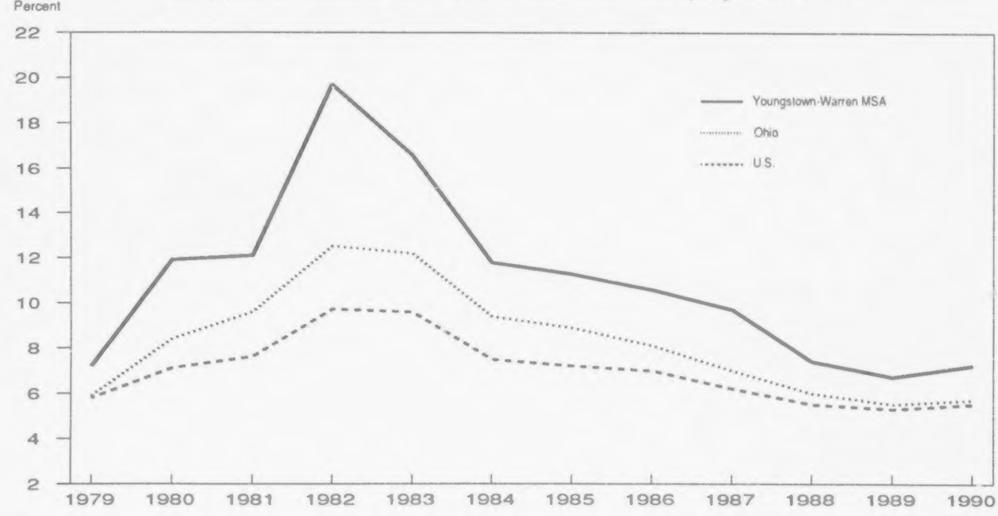
Youngstown-Warren
Metropolitan Statistical Area



The estimated annual average civilian labor force in the Youngstown-Warren metropolitan area, distributed by place of residence, was down 1,400 from 1989 to 221,800 in 1990. Total employment, at 205,900, dropped 2,500 over the year, while unemployment increased 1,000. The unemployment rate rose from 6.7 percent in 1989 to 7.2 percent in 1990.

Nonagricultural wage and salary employment increased 200 above the 1989 level to 197,700 in 1990. Expansion in service-producing industries created 1,800 jobs. Growth was recorded in services, especially health services, wholesale trade, retail trade, and government. Employment in transportation and public utilities and in finance, insurance, and real estate declined. The workforce in goods-producing industries fell 1,600 from 1989 to 56,700 as production cutbacks among manufacturers of durable goods outweighed nominal gains in construction and nondurable-goods manufacturing. Noteworthy reductions occurred in transportation equipment, primary metal industries, and fabricated metal products.

Youngstown-Warren MSA, Ohio and U.S. Unemployment Rates



Youngstown-Warren MSA
Civilian Labor Force and Nonagricultural Wage and Salary Employment[a]

(Employed and Unemployed in Thousands)

Civilian Labor Force	Employment	Unemployment	Unemployment Rates[b]				Nonagricultural Wage and Salary Employment		
			MSA	Ohio	U.S.			Goods-Producing Industries	Service-Producing Industries
237.1	219.9	17.1	7.2	5.9	5.8	1979	213.9	87.4	126.5
238.9	210.5	28.4	11.9	8.4	7.1	1980	203.1	78.0	125.1
234.0	205.7	28.2	12.1	9.6	7.6	1981	198.7	74.5	124.2
237.0	190.3	46.6	19.7	12.5	9.7	1982	180.6	59.1	121.5
225.6	188.1	37.5	16.6	12.2	9.6	1983	177.4	58.3	119.2
222.2	195.9	26.3	11.8	9.4	7.5	1984	182.5	61.4	121.1
221.3	196.3	25.0	11.3	8.9	7.2	1985	184.2	59.7	124.5
223.7	200.0	23.7	10.6	8.1	7.0	1986	187.1	59.0	128.1
221.6	200.0	21.6	9.7	7.0	6.2	1987	188.3	56.8	131.5
221.3	204.9	16.4	7.4	6.0	5.5	1988	193.8	58.4	135.4
223.2	208.4	14.9	6.7	5.5	5.3	1989	197.5	58.3	139.2
221.8	205.9	15.9	7.2	5.7	5.5	1990	197.7	56.7	141.0

[a] Civilian labor force estimates are based on place of residence. Nonagricultural wage and salary employment estimates are based on place of work.

[b] Unemployment as percent of civilian labor force.

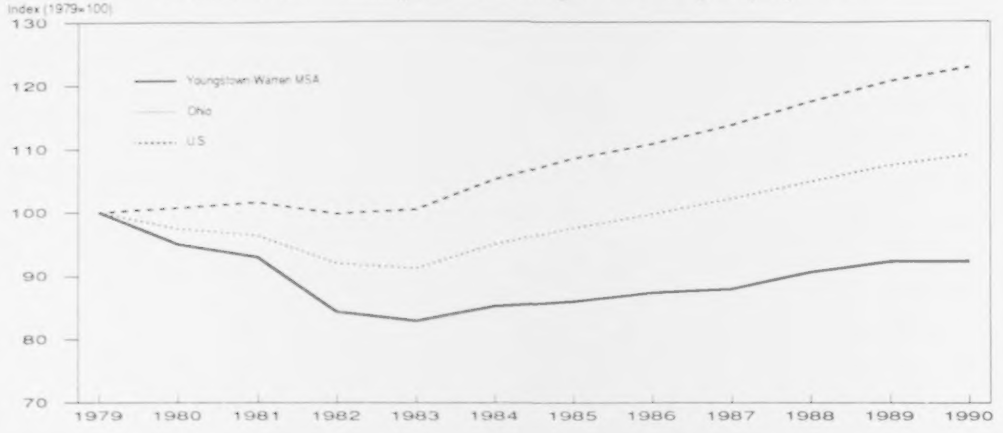
Nonfarm payroll employment in the Youngstown-Warren area rose 20,300 since the 1983 economic downturn. Noteworthy expansion occurred in services (+8,700) and retail trade (+7,900). Moderate gains were posted in construction and wholesale trade. Manufacturing employment declined 4,800. From 1979 to 1990, the workforce dropped 16,200 or 7.6 percent. The number of manufacturing jobs fell 31,900; transportation and public utilities lost 2,800; government decreased 1,400.

Youngstown-Warren MSA
Division-Level Nonagricultural Wage and Salary Employment

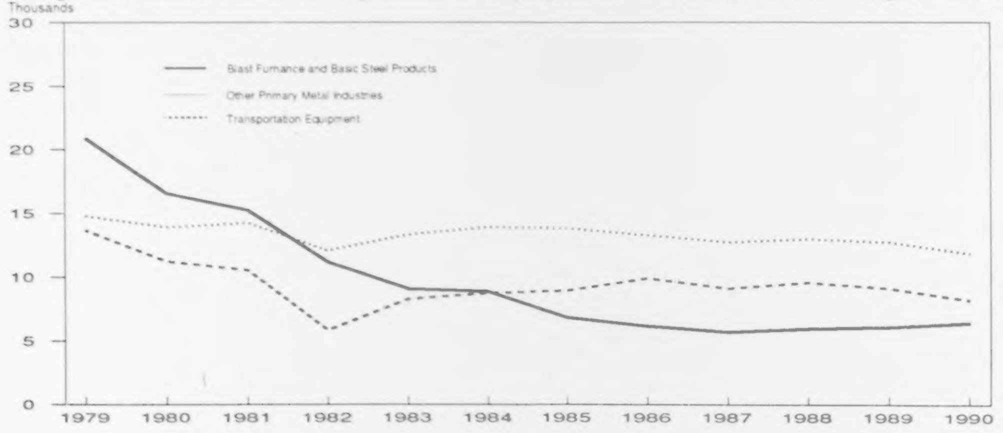
(Employed and Unemployed in Thousands)

Construction	Manufacturing		Transportation & Utilities	Wholesale Trade	Retail Trade		Finance, Insurance, & Real Estate	Services	Government
7.0	79.9	1979	10.1	8.2	38.5	1979	7.0	37.2	25.6
6.6	70.8	1980	9.6	7.9	36.9	1980	7.1	37.9	25.8
6.4	67.3	1981	9.2	8.1	36.3	1981	7.1	38.8	24.6
5.3	52.9	1982	8.2	7.9	35.4	1982	7.1	38.9	24.0
4.8	52.8	1983	7.6	7.7	34.3	1983	7.1	38.9	23.6
5.5	55.1	1984	7.7	8.3	35.2	1984	7.2	40.1	22.6
6.3	52.7	1985	7.6	8.6	36.6	1985	7.5	41.1	23.0
6.7	51.7	1986	7.5	9.0	37.4	1986	8.0	42.6	23.5
7.3	48.9	1987	7.6	9.6	38.6	1987	8.2	43.8	23.7
7.3	50.5	1988	7.7	10.3	39.8	1988	8.3	45.2	24.1
7.9	50.0	1989	7.6	10.7	41.8	1989	8.6	46.5	24.0
8.3	48.0	1990	7.3	11.2	42.2	1990	8.4	47.6	24.2

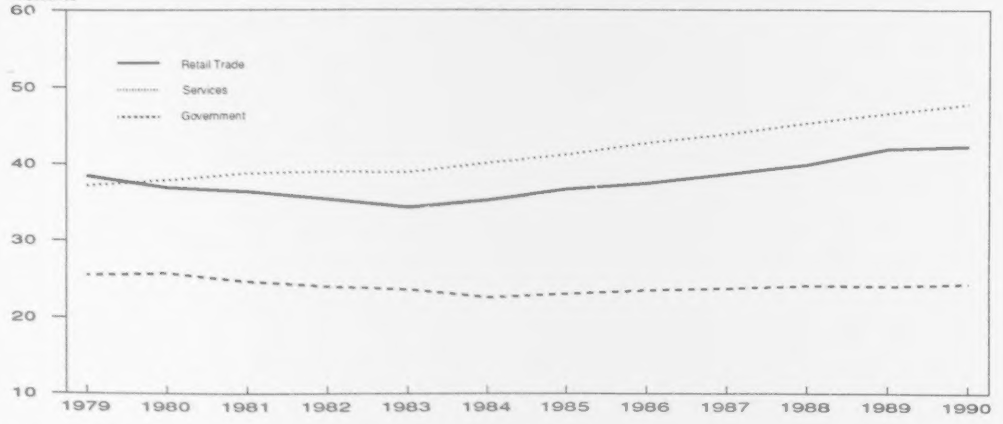
Indexes of Total Nonagricultural Wage and Salary Employment



Youngstown-Warren MSA Nonagricultural Employment (Selected Goods–Producing Industries)



Youngstown-Warren MSA Nonagricultural Employment (Selected Service–Producing Industries)



Youngstown–Warren MSA

Nonagricultural Wage and Salary Employment, 1990[a]

(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	197.7	188.4	194.4	196.6	197.7	201.3	202.0	193.4	198.1	200.8	201.0	198.4	200.4
Goods-Producing Industries[b]	56.7	49.8	56.3	56.6	57.3	58.5	59.8	53.5	58.6	59.3	58.4	56.0	56.4
Construction	8.3	7.3	6.9	7.2	7.7	8.3	8.9	9.1	9.4	9.5	9.1	8.7	7.9
Manufacturing	48.0	42.2	48.9	49.0	49.2	49.8	50.5	43.9	48.7	49.4	48.9	47.0	48.2
Durable Goods[c]	42.7	37.1	43.8	43.8	44.1	44.5	45.0	38.6	43.2	44.0	43.5	41.5	42.9
Primary Metal Industries	18.3	17.5	18.4	18.4	18.6	18.8	18.9	18.2	18.4	18.7	18.3	17.5	17.4
Blast Furnace and Basic Steel Products	6.4	6.4	6.4	6.4	6.4	6.4	6.5	6.4	6.4	6.4	6.3	6.4	6.5
Fabricated Metal Products	7.1	5.8	6.9	6.9	7.2	7.3	7.3	7.2	7.3	7.3	7.2	7.2	7.2
Metal Forgings and Stampings	3.7	2.4	3.5	3.6	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.9	3.9
Industrial Machinery and Equipment	4.3	4.4	4.4	4.4	4.3	4.3	4.3	4.3	4.3	4.2	4.1	4.2	4.2
Transportation Equipment	8.2	4.5	9.3	9.3	9.1	9.1	9.5	4.0	8.3	9.0	9.1	7.8	9.2
Nondurable Goods[d]	5.3	5.0	5.1	5.2	5.1	5.4	5.5	5.3	5.5	5.3	5.4	5.5	5.3
Service-Producing Industries	141.0	138.5	138.2	139.9	140.4	142.8	142.2	139.9	139.5	141.5	142.6	142.4	144.0
Transportation and Public Utilities	7.3	7.3	7.3	7.4	7.3	7.4	7.4	7.3	7.4	7.4	7.3	7.3	7.3
Wholesale Trade	11.2	10.9	10.8	11.0	11.2	11.4	11.4	11.5	11.4	11.3	11.3	11.3	11.4
Wholesale Trade-Durable Goods	6.7	6.6	6.6	6.6	6.6	6.8	6.8	6.8	6.8	6.7	6.7	6.6	6.6
Wholesale Trade-Nondurable Goods	4.6	4.3	4.3	4.4	4.5	4.6	4.6	4.7	4.7	4.6	4.7	4.7	4.9
Retail Trade	42.2	41.2	40.6	41.2	41.7	42.1	42.5	42.5	42.6	42.4	42.4	43.0	43.6
General Merchandise Stores	5.7	5.9	5.6	5.6	5.6	5.6	5.6	5.7	5.6	5.7	5.7	6.0	6.3
Finance, Insurance, and Real Estate	8.4	8.5	8.5	8.5	8.3	8.4	8.5	8.4	8.4	8.3	8.2	8.2	8.2
Finance	4.7	4.7	4.6	4.7	4.6	4.7	4.7	4.7	4.7	4.6	4.6	4.6	4.6
Services	47.6	46.1	46.2	46.8	47.4	48.0	48.4	48.3	48.0	48.7	48.2	47.8	47.8
Health Services	21.4	21.1	21.1	21.2	21.2	21.3	21.5	21.6	21.6	21.5	21.5	21.5	21.6
Nursing and Personal Care Facilities	5.0	4.9	5.0	5.0	5.0	5.0	5.0	5.1	5.1	5.0	5.0	5.0	5.0
Hospitals	10.7	10.7	10.7	10.7	10.7	10.6	10.7	10.7	10.7	10.7	10.7	10.6	10.6
Government	24.2	24.5	24.7	25.1	24.5	25.6	24.1	21.9	21.7	23.4	25.1	24.8	25.5
State Government	4.2	4.2	4.6	4.7	4.3	4.6	4.7	3.5	3.5	3.5	4.6	4.3	4.7
State Government Education[e]	2.7	2.7	3.1	3.2	2.8	3.1	3.1	1.9	1.9	2.0	3.2	2.8	3.2
Local Government	17.8	18.3	18.0	18.3	18.0	18.4	17.1	16.0	16.2	17.9	18.4	18.5	18.7
Local Government Education	11.1	11.8	11.6	11.8	11.4	11.6	10.2	9.0	9.2	11.1	11.6	11.8	12.0

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes mining. [c] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [d] Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [e] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [f] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-8 (1990)

Youngstown–Warren MSA

Nonagricultural Wage and Salary Employment, 1989[a]

(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	197.5	193.7	193.8	195.6	197.0	199.1	200.0	193.0	197.4	199.3	200.2	200.3	200.2
Goods-Producing Industries[b]	58.3	57.9	57.7	57.8	58.4	59.0	59.6	55.1	59.3	59.7	59.1	58.9	57.4
Construction	7.9	6.5	6.3	6.6	7.3	7.8	8.3	8.7	9.0	9.0	8.8	8.6	7.8
Manufacturing	50.0	51.0	51.0	50.8	50.7	50.7	50.8	45.9	49.9	50.3	49.9	49.9	49.2
Durable Goods[c]	44.9	46.0	45.8	45.7	45.7	45.8	45.8	40.8	44.7	45.2	44.8	44.8	44.1
Primary Metal Industries	18.8	19.1	19.0	18.8	19.0	19.0	18.9	18.3	18.5	19.1	18.8	18.7	18.5
Blast Furnace and Basic Steel Products	6.1	5.8	5.8	5.7	5.9	6.1	6.3	6.3	6.4	6.3	6.2	6.0	6.3
Fabricated Metal Products	7.3	7.5	7.5	7.6	7.5	7.6	7.5	7.4	7.2	7.2	7.0	7.1	7.0
Metal Forgings and Stampings	3.8	4.0	3.9	4.0	4.0	4.0	3.8	3.9	3.8	3.7	3.6	3.6	3.6
Industrial Machinery and Equipment	4.3	4.2	4.2	4.3	4.4	4.3	4.4	4.3	4.3	4.4	4.2	4.3	4.3
Transportation Equipment	9.1	9.7	9.6	9.4	9.5	9.6	9.7	5.3	9.3	9.3	9.3	9.5	9.1
Nondurable Goods[d]	5.1	5.0	5.1	5.2	5.0	4.9	5.0	5.1	5.2	5.1	5.1	5.1	5.0
Service-Producing Industries	139.2	135.8	136.2	137.8	138.6	140.2	140.5	137.9	138.1	139.6	141.2	141.4	142.7
Transportation and Public Utilities	7.6	7.5	7.5	7.6	7.7	7.7	7.7	7.6	7.6	7.6	7.7	7.7	7.7
Wholesale Trade	10.7	10.5	10.6	10.7	10.6	10.8	11.0	10.8	10.7	10.7	10.6	10.7	10.8
Wholesale Trade-Durable Goods	6.8	6.8	6.8	6.8	6.8	6.9	7.0	6.9	6.8	6.8	6.7	6.7	6.7
Wholesale Trade-Nondurable Goods	3.9	3.8	3.8	3.9	3.8	3.9	4.0	3.9	3.9	3.9	3.9	4.0	4.1
Retail Trade	41.8	40.1	40.0	40.4	41.3	41.7	42.3	42.3	42.4	42.2	42.1	43.0	43.6
General Merchandise Stores	5.6	5.4	5.2	5.2	5.3	5.3	5.3	5.6	5.6	5.6	5.8	6.2	6.5
Finance, Insurance, and Real Estate	8.6	8.4	8.4	8.4	8.5	8.6	8.8	8.7	8.7	8.6	8.5	8.6	8.5
Finance	4.7	4.6	4.6	4.6	4.6	4.6	4.7	4.7	4.7	4.7	4.7	4.7	4.6
Services	46.5	44.7	45.0	45.4	45.9	46.4	47.1	47.3	47.3	47.4	47.3	46.9	47.0
Health Services	20.9	20.6	20.5	20.6	20.6	20.7	20.9	21.1	21.1	21.1	21.1	21.1	21.2
Nursing and Personal Care Facilities	4.7	4.6	4.6	4.6	4.6	4.7	4.7	4.8	4.7	4.7	4.7	4.6	4.7
Hospitals	10.7	10.6	10.6	10.6	10.6	10.6	10.7	10.9	10.9	10.9	10.8	10.8	10.8
Government	24.0	24.5	24.8	25.2	24.5	25.0	23.6	21.2	21.3	23.1	24.9	24.5	25.2
State Government	4.2	4.1	4.5	4.7	4.2	4.6	4.6	3.5	3.4	3.5	4.6	4.2	4.7
State Government Education[e]	2.7	2.6	3.1	3.2	2.7	3.1	3.1	1.8	1.8	1.9	3.2	2.8	3.3
Local Government	17.7	18.3	18.2	18.5	18.2	18.3	16.9	15.7	15.8	17.5	18.2	18.2	18.3
Local Government Education	11.2	12.1	11.9	12.2	11.9	11.9	10.2	9.0	8.9	11.0	11.7	11.7	11.8

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes mining. [c] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [d] Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [e] Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [f] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-8 (1989)

Youngtown-Warren MSA

Average Hourly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$14.66	$13.74	$14.12	$14.23	$14.31	$14.52	$14.69	$14.36	$14.52	$15.26	$15.30	$15.24	$15.34
Durable Goods[b]	15.02	14.08	14.44	14.59	14.62	14.87	15.04	14.71	14.88	15.63	15.72	15.68	15.68
Primary Metal Industries	15.98	15.46	15.49	15.71	15.73	16.03	16.31	16.09	16.14	16.49	16.11	16.07	16.04
Blast Furnace and Basic Steel Products	14.46	14.25	14.41	14.51	14.57	14.32	14.32	14.25	14.29	14.79	14.60	14.65	14.53
Fabricated Metal Products	14.51	13.16	13.68	13.91	14.00	14.36	14.41	14.28	14.06	15.12	15.65	15.83	15.13
Metal Forgings and Stampings	17.15	16.22	16.15	16.22	16.28	16.62	16.67	16.83	16.42	17.82	18.66	18.98	18.07
Industrial Machinery and Equipment	12.37	12.37	12.49	12.39	12.12	12.26	12.42	12.31	12.32	12.44	12.50	12.26	12.49
Transportation Equipment	16.58	15.89	15.64	15.70	15.66	15.87	15.94	15.82	16.00	17.29	17.83	18.10	18.19
Nondurable Goods[c]	10.77	10.63	10.45	10.22	10.75	10.81	10.76	11.12	10.79	10.99	10.67	10.72	11.31
Wholesale Trade	9.94	9.84	9.94	9.87	9.87	9.92	9.88	9.80	9.93	10.06	10.05	10.00	10.11
Retail Trade[d]	6.59	6.54	6.55	6.56	6.53	6.52	6.48	6.58	6.58	6.59	6.62	6.73	6.76

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [c] Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [d] Money payments only; tips not included. [f] Depressed due to labor-management disputes during part of pay period. [g] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-4-8 (1990)

Youngstown-Warren MSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	42.7	42.2	41.9	41.9	42.1	43.3	43.3	42.1	41.7	44.7	43.4	43.3	41.8
Durable Goods[b]	42.8	42.4	42.0	42.0	42.2	43.4	43.5	42.1	41.8	45.0	43.7	43.5	42.0
Primary Metal Industries	42.6	42.0	41.4	41.5	42.5	43.4	43.7	42.9	42.5	45.4	42.7	41.7	41.2
Blast Furnace and Basic Steel Products	47.2	46.5	46.7	46.6	47.6	46.1	46.8	46.5	46.7	51.4	47.3	47.6	46.5
Fabricated Metal Products	43.7	44.0	42.6	42.7	42.7	45.3	45.3	41.9	41.9	45.5	45.8	45.3	41.5
Metal Forgings and Stampings	45.7	47.7	42.7	43.1	43.0	47.6	48.3	42.5	42.4	49.6	49.6	49.0	43.0
Industrial Machinery and Equipment	41.7	41.5	43.2	42.3	40.2	41.6	41.8	40.8	41.2	42.6	41.3	41.2	42.2
Transportation Equipment	44.6	43.9	43.4	43.3	42.7	43.9	44.6	44.4	42.4	47.4	46.4	48.0	45.1
Nondurable Goods[c]	41.0	40.3	41.0	40.8	41.0	42.8	40.8	41.7	40.8	41.6	40.4	41.1	39.7
Wholesale Trade	38.3	38.8	38.8	38.5	38.2	38.5	38.0	38.5	38.1	38.3	37.9	37.7	37.7
Retail Trade	27.4	27.5	27.1	27.0	27.4	28.0	27.6	27.7	27.6	27.3	27.1	26.9	28.0

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [c] Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [f] Depressed due to labor-management disputes during part of pay period. [g] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-3-8 (1990)

Youngstown-Warren MSA

Average Weekly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$625.98	$579.83	$591.63	$596.24	$602.45	$628.72	$636.08	$604.56	$605.48	$682.12	$664.02	$659.89	$641.21
Durable Goods[b]	642.86	596.99	606.48	612.78	616.96	645.36	654.24	619.29	621.98	703.35	686.96	682.08	658.56
Primary Metal Industries	680.75	649.32	641.29	651.97	668.53	695.70	712.75	690.26	685.95	748.65	687.90	670.12	660.85
Blast Furnace and Basic Steel Products	682.51	662.63	672.95	676.17	693.53	660.15	670.18	662.63	667.34	760.21	690.58	697.34	675.65
Fabricated Metal Products	634.09	579.04	582.77	593.96	597.80	650.51	652.77	598.33	589.11	687.96	716.77	717.10	627.90
Metal Forgings and Stampings	783.76	773.69	689.61	699.08	700.04	791.11	805.16	715.28	696.21	883.87	925.54	930.02	777.01
Industrial Machinery and Equipment	515.83	513.36	539.57	524.10	487.22	510.02	519.16	502.25	507.58	529.94	516.25	505.11	527.08
Transportation Equipment	739.47	697.57	678.78	679.81	668.68	696.69	710.92	702.41	678.40	819.55	827.31	868.80	820.37
Nondurable Goods[c]	441.57	428.39	428.45	416.98	440.75	462.67	439.01	463.70	440.23	457.18	431.07	440.59	449.01
Wholesale Trade	380.70	381.79	385.67	380.00	377.03	381.92	375.44	377.30	378.33	385.30	380.90	377.00	381.15
Retail Trade[d]	180.57	179.85	177.51	177.12	178.92	182.56	178.85	182.27	181.61	179.91	179.40	181.04	189.28
Finance, Insurance, and Real Estate	......	......	......	......	......	......	......	......	......	......	......	......	......
Finance	228.08	225.13	227.34	224.07	226.99	228.98	225.10	225.26	231.02	230.07	234.41	229.61	229.24

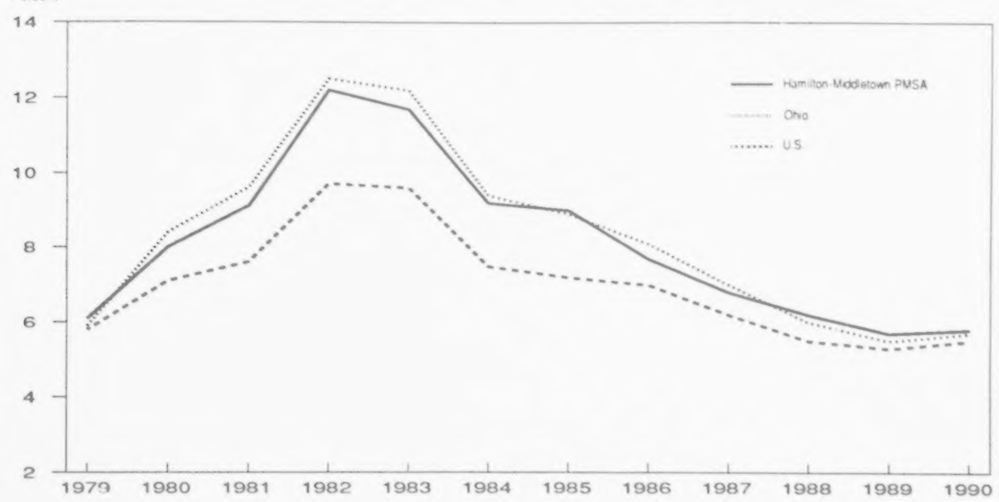
[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [c] Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [d] Money payments only; tips not included. [f] Depressed due to labor-management disputes during part of pay period. [g] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-2-8 (1990)

Hamilton-Middletown Primary Metropolitan Statistical Area

Based on place of residence, the estimated annual average civilian labor force in the Hamilton-Middletown metropolitan area was unchanged from 1989 at 132,300 in 1990. Total employment decreased 100 to 124,600, while the number of unemployed increased 100. The unemployment rate rose from 5.7 percent in 1989 to 5.8 percent in 1990.

Nonagricultural wage and salary employment advanced 1.2 percent, or 1,200 jobs, above the 1989 level to 96,100 in 1990. Expansion in the service-producing sector added 1,800 to the workforce. Noteworthy growth occurred in local schools and in services, especially health services. Slight gains were posted in retail trade and wholesale trade. Employment in finance, insurance, and real estate declined over the year. The number of employees in goods-producing industries declined 600 from 1989 to 27,200. Production cutbacks among manufacturers of durable and nondurable goods more than offset nominal improvements in construction. Reductions were registered in paper and allied products, primary metal industries, and industrial machinery and equipment.


Hamilton-Middletown PMSA, Ohio and U.S. Unemployment Rates

Hamilton–Middletown PMSA
Civilian Labor Force and Nonagricultural Wage and Salary Employment[a]
(Employed and Unemployed in Thousands)

Civilian Labor Force	Employment	Unemployment	Unemployment Rates[b]				Nonagricultural Wage and Salary Employment	Goods–Producing Industries	Service–Producing Industries
			PMSA	Ohio	U.S.				
109.4	102.7	6.7	6.1	5.9	5.8	1979	84.9	34.0	50.8
109.9	101.1	8.8	8.0	8.4	7.1	1980	83.0	31.8	51.3
111.2	101.1	10.1	9.1	9.6	7.6	1981	83.2	31.8	51.4
112.2	98.5	13.7	12.2	12.5	9.7	1982	79.7	28.6	51.1
113.0	99.7	13.2	11.7	12.2	9.6	1983	80.5	28.2	52.3
123.8	112.4	11.4	9.2	9.4	7.5	1984	83.7	29.5	54.2
125.5	114.1	11.4	9.0	8.9	7.2	1985	85.7	28.9	56.8
128.8	118.9	9.9	7.7	8.1	7.0	1986	88.8	29.1	59.7
128.9	120.1	8.8	6.8	7.0	6.2	1987	90.8	28.0	62.8
131.1	122.9	8.2	6.2	6.0	5.5	1988	93.6	28.2	65.4
132.3	124.7	7.6	5.7	5.5	5.3	1989	94.9	27.8	67.1
132.3	124.6	7.7	5.8	5.7	5.5	1990	96.1	27.2	68.9

[a] Civilian labor force estimates are based on place of residence. Nonagricultural wage and salary employment estimates are based on place of work.

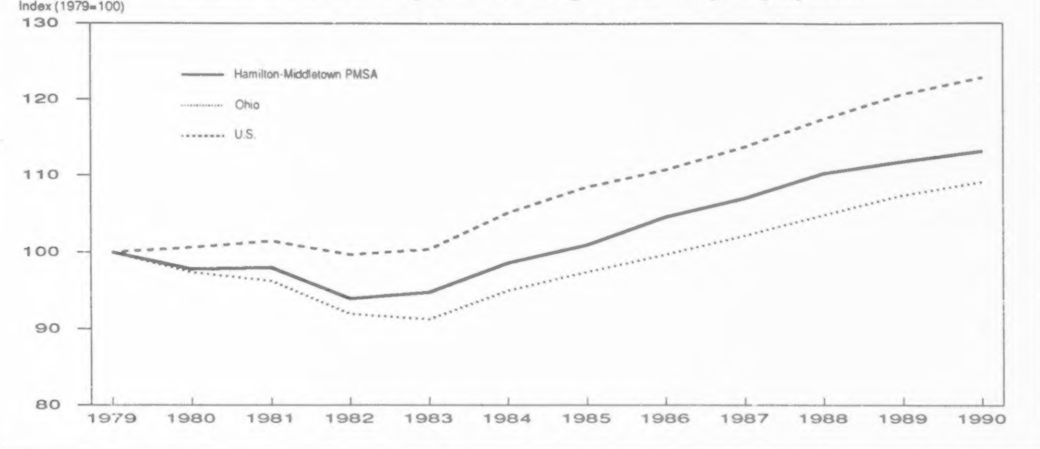
[b] Unemployment as percent of civilian labor force.

Nonfarm payroll employment in the Hamilton-Middletown area gained 15,600 jobs since the 1983 economic downturn. Noteworthy expansion occurred in services (+5,900) and retail trade (+4,700). Moderate growth was posted in government, construction and mining, and wholesale trade. Manufacturing employment declined 3,600. From 1979 to 1990, employment increased 11,200 or 13.2 percent. During the same period, the manufacturing workforce lost 8,100 jobs.

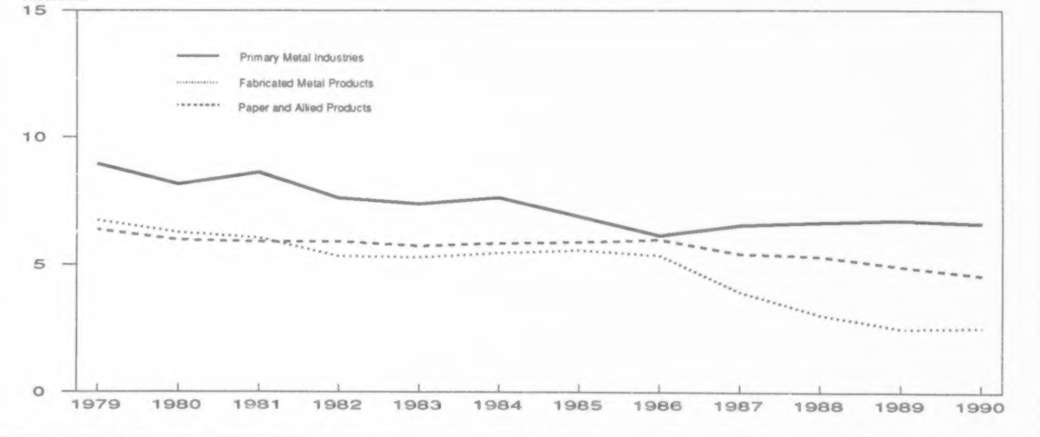
Hamilton–Middletown PMSA
Division-Level Nonagricultural Wage and Salary Employment
(Employed and Unemployed in Thousands)

Construction & Mining	Manufacturing		Transportation & Utilities	Wholesale Trade	Retail Trade		Finance, Insurance, & Real Estate	Services	Government
4.6	29.4	1979	3.1	3.5	12.6	1979	4.8	12.2	14.6
3.9	27.8	1980	2.8	3.7	12.7	1980	4.8	12.7	14.6
3.7	28.0	1981	2.5	3.7	12.7	1981	4.7	13.2	14.6
3.3	25.4	1982	2.5	3.5	12.6	1982	4.6	13.4	14.6
3.3	24.9	1983	2.5	3.6	13.1	1983	4.6	13.6	14.9
3.9	25.6	1984	2.7	3.9	14.2	1984	4.6	14.1	14.7
3.6	25.3	1985	2.8	4.1	15.2	1985	4.7	15.0	15.0
4.1	25.0	1986	2.8	4.3	15.8	1986	5.1	16.3	15.4
4.5	23.5	1987	2.7	5.4	16.8	1987	5.1	17.1	15.8
5.0	23.2	1988	3.1	5.5	17.6	1988	4.9	18.2	16.1
5.7	22.1	1989	3.4	5.8	17.6	1989	4.8	18.9	16.7
5.9	21.3	1990	3.4	5.9	17.8	1990	4.5	19.5	17.7

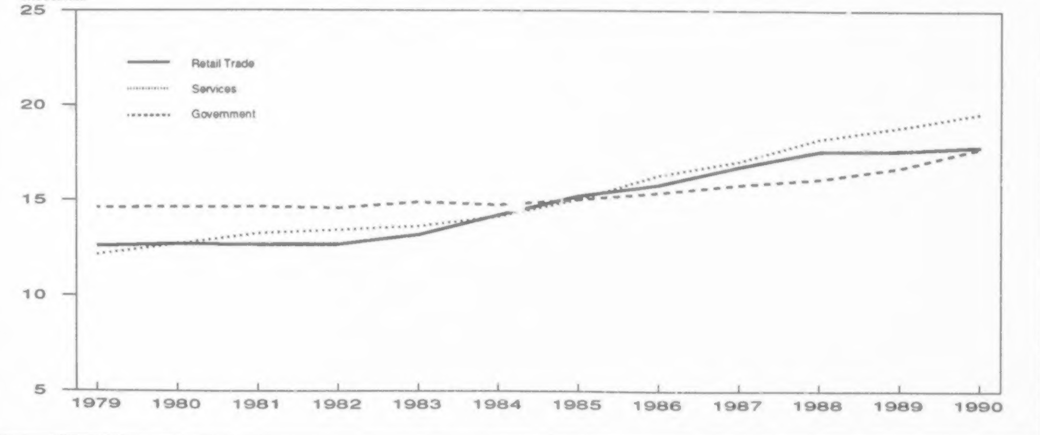
Indexes of Total Nonagricultural Wage and Salary Employment



Hamilton-Middletown PMSA Nonagricultural Employment (Selected Goods–Producing Industries)



Hamilton-Middletown PMSA Nonagricultural Employment (Selected Service–Producing Industries)



Hamilton–Middletown PMSA

Nonagricultural Wage and Salary Employment, 1990[a]
(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	96.1	93.6	95.0	95.7	96.5	97.3	94.2	94.1	94.5	97.8	98.1	98.4	97.8
Goods–Producing Industries	27.2	26.8	26.9	26.9	26.9	27.1	27.6	27.5	27.7	27.7	27.3	27.0	26.8
Construction and Mining	5.9	5.2	5.3	5.7	5.7	5.9	6.2	6.2	6.3	6.4	6.1	5.9	5.7
Manufacturing	21.3	21.6	21.5	21.2	21.2	21.2	21.3	21.3	21.5	21.4	21.2	21.1	21.1
Durable Goods[c]	14.9	15.2	15.1	14.8	14.8	14.8	15.0	14.9	15.1	15.0	14.8	14.7	14.7
Primary Metal Industries	6.6	6.9	6.7	6.4	6.4	6.3	6.4	6.4	6.6	6.7	6.7	6.9	7.0
Fabricated Metal Products	2.5	2.5	2.5	2.5	2.5	2.6	2.6	2.5	2.6	2.5	2.5	2.5	2.5
Industrial Machinery and Equipment	2.4	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.3	2.0	2.0
Nondurable Goods[d]	6.4	6.4	6.4	6.4	6.4	6.3	6.4	6.4	6.4	6.4	6.4	6.4	6.4
Paper and Allied Products	4.6	4.7	4.7	4.6	4.6	4.5	4.6	4.6	4.6	4.6	4.6	4.6	4.6
Paper Mills	3.4	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.3
Service–Producing Industries	68.9	66.8	68.1	68.8	69.7	70.2	66.6	66.6	66.8	70.1	70.8	71.3	71.0
Transportation and Public Utilities	3.4	3.3	3.4	3.4	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4
Wholesale Trade	5.9	5.8	5.8	5.8	5.9	5.9	5.9	6.0	5.9	5.9	5.9	5.9	5.9
Wholesale Trade–Durable Goods	4.0	3.9	3.8	3.9	4.0	4.0	4.0	4.1	4.0	4.0	4.0	4.0	4.0
Retail Trade	17.8	17.0	17.5	17.7	18.0	18.1	17.8	17.8	17.9	18.1	17.8	18.0	18.1
Food Stores	3.4	3.2	3.2	3.2	3.4	3.4	3.4	3.5	3.5	3.4	3.4	3.5	3.5
Finance, Insurance, and Real Estate	4.5	4.6	4.5	4.6	4.5	4.6	4.6	4.6	4.6	4.5	4.5	4.5	4.5
Services	19.5	18.5	18.6	18.9	19.4	19.7	20.2	20.2	20.2	20.1	19.7	19.6	19.5
Health Services	8.6	8.2	8.3	8.4	8.4	8.5	8.6	8.7	8.7	8.7	8.9	8.9	9.0
Government	17.7	17.5	18.3	18.5	18.6	18.7	14.7	14.7	14.8	18.1	19.6	19.9	19.6
State Government (Includes Education)	6.7	7.1	7.7	7.8	7.7	7.5	3.7	3.9	4.0	6.9	7.9	8.3	7.9
Local Government	10.3	9.9	10.0	10.1	10.2	10.2	10.3	10.0	10.1	10.5	11.0	10.9	11.0
Local Government Education	6.9	6.5	6.7	6.7	6.7	6.7	6.7	6.3	6.5	7.0	7.5	7.4	7.6

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Hamilton-Middletown area is defined as Butler County. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [c] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [d] Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-9 (1990)

Hamilton–Middletown PMSA

Nonagricultural Wage and Salary Employment, 1989[a]

(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	94.9	93.3	93.4	94.6	95.2	95.8	93.3	92.5	93.0	96.4	96.9	97.5	97.1
Goods–Producing Industries	27.8	27.2	27.2	27.3	27.3	27.7	27.9	28.1	28.3	28.4	28.2	28.1	27.7
Construction and Mining	5.7	4.8	4.8	5.0	5.3	5.5	5.7	6.1	6.2	6.4	6.2	6.1	5.9
Manufacturing	22.1	22.4	22.5	22.3	22.0	22.3	22.3	21.9	22.1	22.0	22.1	22.0	21.8
Durable Goods[c]	15.3	15.4	15.5	15.3	15.1	15.5	15.5	15.2	15.3	15.2	15.4	15.4	15.3
Primary Metal Industries	6.8	6.8	6.7	6.7	6.7	7.0	7.0	6.6	6.7	6.7	6.7	6.8	6.7
Fabricated Metal Products	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5
Industrial Machinery and Equipment	2.4	2.3	2.3	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.5
Nondurable Goods[d]	6.8	7.0	7.0	7.0	6.8	6.8	6.8	6.8	6.8	6.8	6.7	6.6	6.5
Paper and Allied Products	4.9	5.1	5.1	5.1	5.0	4.9	4.9	4.9	4.9	5.0	4.9	4.8	4.7
Paper Mills	3.7	3.8	3.8	3.8	3.7	3.7	3.7	3.6	3.7	3.7	3.6	3.6	3.5
Service–Producing Industries	67.1	66.1	66.2	67.3	67.9	68.1	65.4	64.4	64.7	68.0	68.6	69.4	69.4
Transportation and Public Utilities	3.4	3.3	3.3	3.4	3.4	3.3	3.3	3.3	3.4	3.4	3.5	3.4	3.4
Wholesale Trade	5.8	5.6	5.6	5.7	5.7	5.8	5.7	5.9	5.9	5.9	5.9	5.9	5.9
Wholesale Trade–Durable Goods	4.0	3.9	3.9	4.0	3.9	4.0	3.9	4.0	4.0	4.0	3.9	4.0	3.9
Retail Trade	17.6	17.0	17.4	17.5	17.7	17.7	17.5	17.5	17.6	17.7	17.6	18.0	18.1
Food Stores	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.3	3.3	3.3	3.4
Finance, Insurance, and Real Estate	4.8	4.9	4.8	4.8	4.8	4.8	4.8	4.9	4.8	4.7	4.8	4.7	4.7
Services	18.9	17.7	17.9	18.0	18.8	19.0	19.4	19.5	19.5	19.5	19.0	19.0	19.0
Health Services	8.1	7.9	7.9	7.9	8.0	8.0	8.1	8.1	8.1	8.1	8.2	8.2	8.3
Government	16.7	17.6	17.2	17.9	17.6	17.5	14.6	13.4	13.5	16.8	17.9	18.3	18.2
State Government (Includes Education)	6.5	7.5	7.0	7.6	7.5	7.1	4.0	3.5	3.8	6.7	7.5	7.7	7.8
Local Government	9.7	9.5	9.7	9.7	9.5	9.8	10.0	9.3	9.1	9.5	9.8	10.1	9.9
Local Government Education	6.2	6.1	6.3	6.4	6.1	6.3	6.3	5.5	5.4	5.9	6.4	6.6	6.5

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Hamilton-Middletown area is defined as Butler County. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [c] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [d] Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; printing and publishing; chemicals and allied products: petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-9 (1989)

Hamilton-Middletown PMSA

Average Hourly Earnings of Production Workers or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$13.93	$13.39	$13.35	$13.51	$13.63	$13.80	$14.05	$13.91	$14.03	$14.23	$14.39	$14.47	$14.41
Durable Goods[b]	14.29	13.58	13.61	13.84	13.94	14.13	14.49	14.26	14.41	14.68	14.83	14.92	14.77
Primary Metal Industries	15.67	14.65	14.71	15.16	15.46	15.66	16.16	15.75	15.96	16.10	16.17	16.10	15.95
Fabricated Metal Products	12.48	12.16	12.23	12.48	11.93	12.12	12.38	12.12	12.22	12.87	13.16	13.11	12.85
Industrial Machinery and Equipment	13.14	13.22	13.02	12.94	12.71	12.95	13.13	13.00	13.01	13.35	13.30	13.35	14.04
Nondurable Goods[c]	13.00	12.92	12.68	12.66	12.87	12.97	12.89	13.01	13.05	13.06	13.25	13.31	13.42
Paper and Allied Products	13.23	13.08	12.87	12.96	13.13	13.18	13.10	13.16	13.23	13.34	13.49	13.57	13.66
Paper Mills	13.42	13.32	13.09	13.19	13.37	13.25	13.37	13.36	13.39	13.46	13.65	13.70	13.89
Wholesale Trade	10.61	10.60	10.72	10.59	10.47	10.64	10.62	10.51	10.46	10.69	10.47	10.76	10.74
Retail Trade[d]	6.24	6.05	6.17	6.13	6.13	6.16	6.21	6.25	6.23	6.33	6.34	6.40	6.40

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Hamilton-Middletown area is defined as Butler County. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [c] Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [d] Money payments only; tips not included. [f] Depressed due to labor-management disputes during part of pay period. [g] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43214 4-15-91 RS-790-4-9 (1990)

Hamilton–Middletown PMSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	45.3	44.5	43.8	44.0	44.5	45.8	46.5	45.6	45.4	46.1	46.3	46.1	45.8
Durable Goods[b]	45.7	44.0	43.8	44.4	44.4	46.2	47.4	46.0	45.6	46.4	46.9	46.6	46.5
Primary Metal Industries	47.5	44.3	44.1	44.9	46.6	48.5	50.5	49.0	48.6	48.6	49.6	48.1	48.0
Fabricated Metal Products	41.9	41.0	41.8	43.3	40.1	41.6	42.0	40.1	39.9	43.6	43.9	43.7	42.0
Industrial Machinery and Equipment	47.9	50.6	48.0	47.7	47.1	49.4	49.8	48.0	46.5	46.8	46.6	46.2	47.7
Nondurable Goods[c]	44.6	45.7	43.7	43.1	44.6	44.8	44.3	44.7	44.7	45.3	44.8	44.8	44.1
Paper and Allied Products	45.9	46.2	44.1	44.3	46.3	46.5	45.3	46.0	45.9	47.5	46.4	46.8	46.1
Paper Mills	45.2	46.7	43.9	43.7	46.5	45.7	45.1	45.3	44.7	46.2	44.3	45.0	45.4
Wholesale Trade	41.8	42.7	42.6	42.4	41.7	42.6	41.8	40.9	42.0	42.1	40.8	41.4	40.9
Retail Trade	28.1	27.5	27.5	27.7	27.8	28.3	28.7	28.8	28.5	28.4	27.8	28.0	27.8

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Hamilton-Middletown area is defined as Butler County. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [c] Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [f] Depressed due to labor-management disputes during part of pay period. [g] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-3-9 (1990)

Hamilton–Middletown PMSA

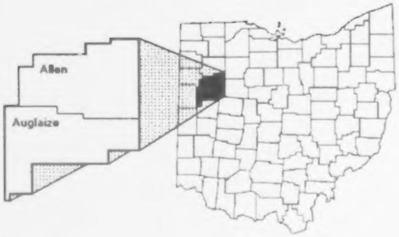
Average Weekly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$631.03	$595.86	$584.73	$594.44	$606.54	$632.04	$653.33	$634.30	$636.96	$656.00	$666.26	$667.07	$659.98
Durable Goods[b]	653.05	597.52	596.12	614.50	618.94	652.81	686.83	655.96	657.10	681.15	695.53	695.27	686.81
Primary Metal Industries	744.33	649.00	648.71	680.68	720.44	759.51	816.08	771.75	775.66	782.46	802.03	774.41	765.60
Fabricated Metal Products	522.91	498.56	511.21	540.38	478.39	504.19	519.96	486.01	487.58	561.13	577.72	572.91	539.70
Industrial Machinery and Equipment	629.41	668.93	624.96	617.24	598.64	639.73	653.87	624.00	604.97	624.78	619.78	616.77	669.71
Nondurable Goods[c]	579.80	590.44	554.12	545.65	574.00	581.06	571.03	581.55	583.34	591.62	593.60	596.29	591.82
Paper and Allied Products	607.26	604.30	567.57	574.13	607.92	612.87	593.43	605.36	607.26	633.65	625.94	635.08	629.73
Paper Mills	606.58	622.04	574.65	576.40	621.71	605.53	602.99	605.21	598.53	621.85	604.70	616.50	630.61
Wholesale Trade	443.50	452.62	456.67	449.02	436.60	453.26	443.92	429.86	439.32	450.05	427.18	445.46	439.27
Retail Trade[d]	175.34	166.38	169.68	169.80	170.41	174.33	178.23	180.00	177.56	179.77	176.25	179.20	177.92

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Hamilton-Middletown area is defined as Butler County. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; electronic and other electric equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [c] Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [d] Money payments only; tips not included. [f] Depressed due to labor-management disputes during part of pay period. [g] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-2-9 (1990)

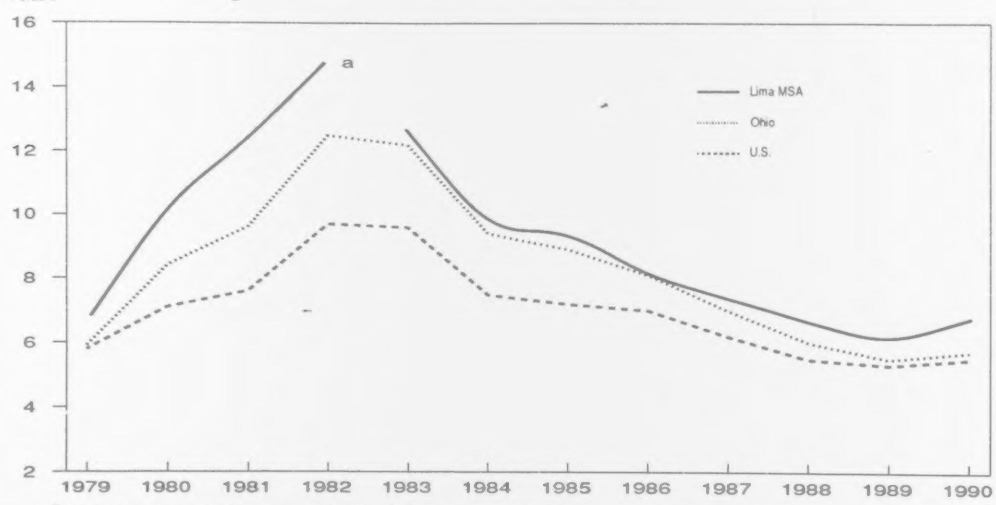
Lima
Metropolitan Statistical Area



In the Lima metropolitan area, the estimated annual average civilian labor force, distributed by place of residence, decreased 700 from the 1989 level to 77,700 in 1990. Total employment, at 72,500, dropped 1,100 over the year, while unemployment increased 500. The unemployment rate rose from 6.1 percent in 1989 to 6.8 percent in 1990.

Nonagricultural wage and salary employment increased 100 from a year ago to 72,800 in 1990. Expansion in service-producing industries created 700 jobs, a 1.6 percent growth rate. Improvements in services, especially health services, transportation and public utilities, and government outweighed declines in retail trade. The workforce in the goods-producing sector totaled 25,800, down 600 from last year. Reductions in durable-goods manufacturing, primarily transportation equipment, overshadowed scattered growth among manufacturers of nondurable goods.

Lima MSA, Ohio and U.S. Unemployment Rates



[a] Metropolitan area definition changed effective with data for 1983. Prior data are not strictly comparable.

Lima MSA
Civilian Labor Force and Nonagricultural Wage and Salary Employment[a]

(Employed and Unemployed in Thousands)

Civilian Labor Force	Employment	Unemployment	Unemployment Rates[b]				Nonagricultural Wage and Salary Employment		
			MSA	Ohio	U.S.			Goods–Producing Industries	Service–Producing Industries
104.5	97.4	7.2	6.8	5.9	5.8	1979	67.0	28.6	38.3
103.4	92.7	10.6	10.3	8.4	7.1	1980	63.7	25.7	38.0
104.6	91.7	12.9	12.3	9.6	7.6	1981	62.3	24.2	38.1
102.7	87.5	15.2	14.8	12.5	9.7	1982	59.0	22.2	36.7
71.5[c]	62.4[c]	9.1[c]	12.7[c]	12.2	9.6	1983	59.5	22.2	37.3
72.6	65.7	6.9	9.5	9.4	7.5	1984	63.4	24.3	39.1
74.9	67.8	7.1	9.5	8.9	7.2	1985	66.1	25.0	41.1
75.3	69.2	6.1	8.1	8.1	7.0	1986	67.4	25.6	41.8
75.2	69.6	5.6	7.4	7.0	6.2	1987	68.1	25.3	42.8
75.7	70.7	5.0	6.6	6.0	5.5	1988	70.0	25.5	44.5
78.4	73.6	4.8	6.1	5.5	5.3	1989	72.7	26.4	46.2
77.7	72.5	5.3	6.8	5.7	5.5	1990	72.8	25.8	47.0

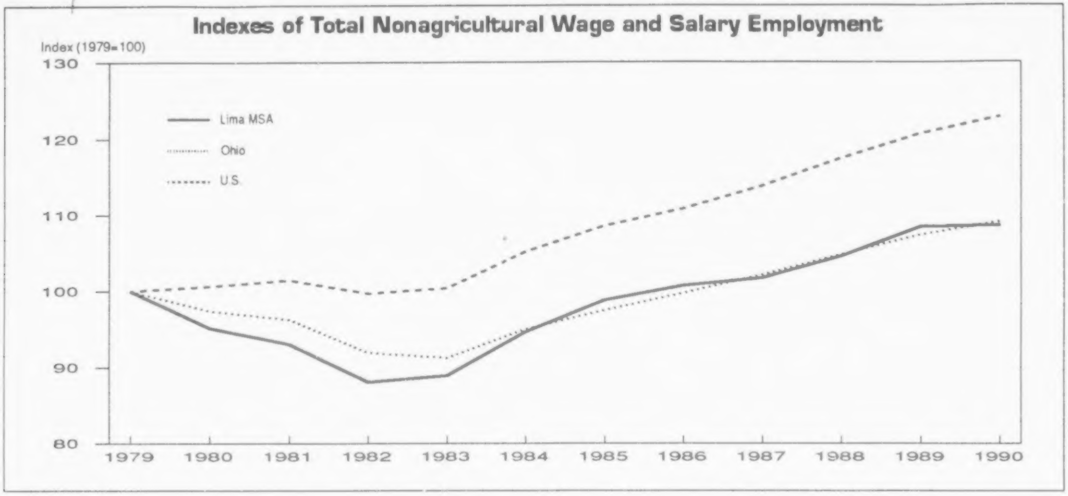
[a] Civilian labor force estimates are based on place of residence. Nonagricultural wage and salary employment estimates are based on place of work.
[b] Unemployment as percent of civilian labor force.
[c] Data not comparable to previous years due to change in metropolitan area definition.

Nonfarm payroll employment in the Lima area gained 13,300 jobs since the 1983 economic downturn. Noteworthy growth occurred in services (+4,100), retail trade (+3,400), and manufacturing (+2,700). From 1979 to 1990, employment increased 5,800 or 8.7 percent. During the same period, the manufacturing workforce lost 2,700 jobs.

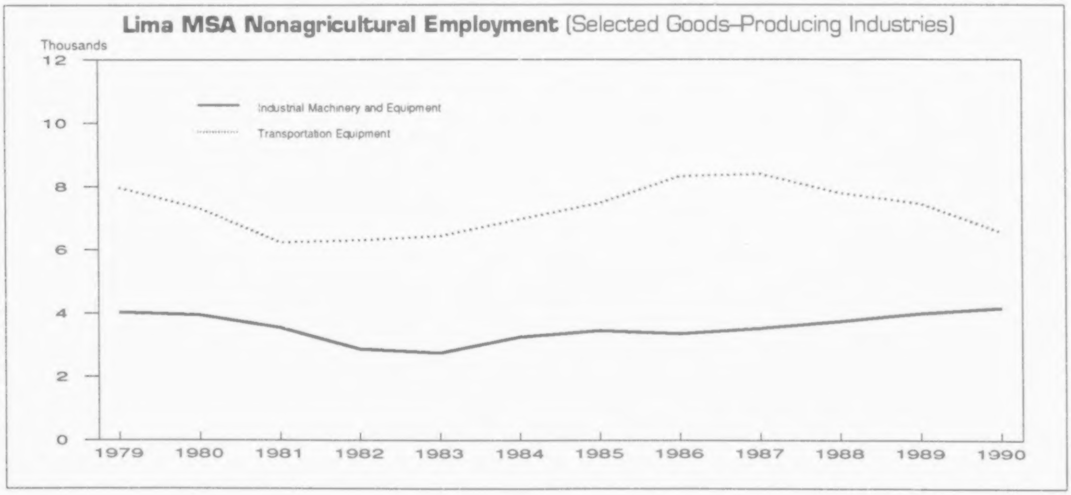
Lima MSA
Division-Level Nonagricultural Wage and Salary Employment

(Employed and Unemployed in Thousands)

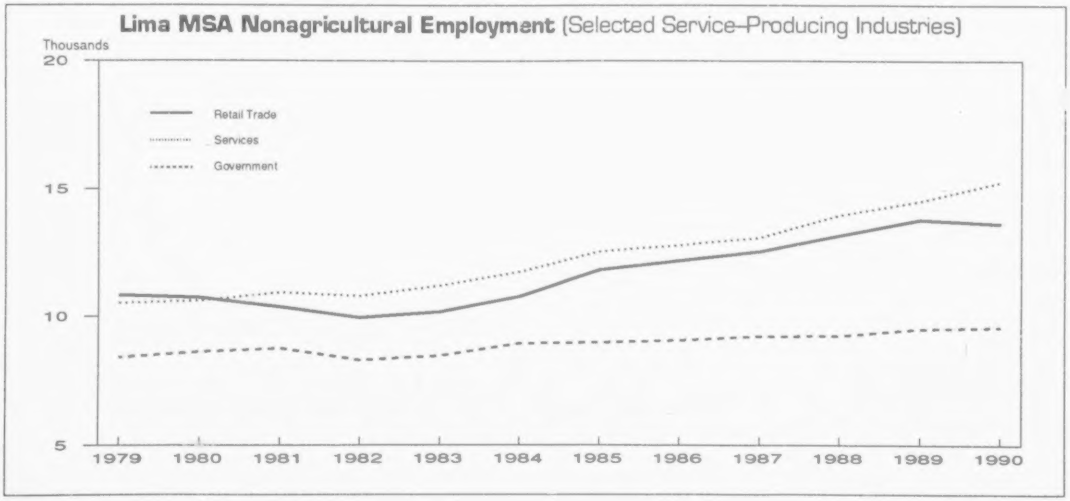
Construction & Mining	Manufacturing		Transportation & Utilities	Wholesale Trade	Retail Trade		Finance, Insurance, & Real Estate	Services	Government
3.4	25.2	1979	3.0	3.3	10.8	1979	2.3	10.5	8.4
2.9	22.8	1980	2.8	3.0	10.7	1980	2.2	10.6	8.6
2.7	21.6	1981	2.8	3.0	10.4	1981	2.2	10.9	8.7
2.6	19.6	1982	2.7	2.9	9.9	1982	2.1	10.8	8.3
2.4	19.8	1983	2.6	2.9	10.2	1983	2.1	11.2	8.5
2.8	21.5	1984	2.7	2.9	10.8	1984	2.0	11.8	9.0
2.8	22.2	1985	2.9	2.9	11.8	1985	2.0	12.5	9.0
2.7	22.9	1986	2.8	2.9	12.2	1986	2.1	12.8	9.1
2.7	22.7	1987	2.9	3.0	12.5	1987	2.0	13.1	9.2
3.2	22.3	1988	2.9	3.2	13.2	1988	2.1	14.0	9.2
3.4	23.0	1989	3.0	3.4	13.8	1989	2.1	14.5	9.5
3.3	22.5	1990	3.1	3.4	13.6	1990	2.1	15.3	9.6



Indexes of Total Nonagricultural Wage and Salary Employment



Lima MSA Nonagricultural Employment (Selected Goods–Producing Industries)



Lima MSA Nonagricultural Employment (Selected Service–Producing Industries)

Lima MSA
Nonagricultural Wage and Salary Employment, 1990[a]
(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	72.8	70.8	71.0	71.3	72.4	73.5	74.0	73.7	73.4	73.8	73.4	73.6	72.7
Goods–Producing Industries	25.8	25.1	25.4	25.4	25.8	26.2	26.5	26.6	26.1	26.3	25.9	25.8	24.7
Construction and Mining	3.3	2.9	3.0	3.2	3.2	3.3	3.4	3.5	3.6	3.5	3.4	3.2	3.0
Manufacturing	22.5	22.2	22.5	22.2	22.6	22.8	23.1	23.0	22.5	22.7	22.5	22.6	21.7
Durable Goods[c]	16.0	15.8	16.2	15.9	16.2	16.4	16.5	16.4	15.9	15.9	15.7	16.0	15.0
Fabricated Metal Products	2.5	2.4	2.4	2.4	2.5	2.5	2.6	2.5	2.5	2.6	2.6	2.7	2.6
Industrial Machinery and Equipment	4.2	4.2	4.2	4.2	4.2	4.3	4.4	4.4	4.2	4.0	4.0	4.0	3.9
Transportation Equipment	6.6	6.4	6.9	6.5	6.8	6.8	6.7	6.7	6.4	6.6	6.4	6.7	5.9
Motor Vehicles and Equipment	3.4	2.9	3.5	3.3	3.6	3.6	3.6	3.5	3.3	3.4	3.3	3.6	2.7
Nondurable Goods[d]	6.5	6.4	6.2	6.2	6.4	6.5	6.6	6.7	6.6	6.8	6.8	6.7	6.6
Food and Kindred Products	1.8	1.7	1.7	1.6	1.6	1.7	1.7	1.9	1.9	1.9	1.9	1.8	1.8
Rubber and Miscellaneous Plastics Products	2.1	2.1	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.2	2.2	2.1	2.1
Service–Producing Industries	47.0	45.7	45.6	46.0	46.6	47.3	47.5	47.1	47.2	47.5	47.4	47.7	48.0
Transportation and Public Utilities	3.1	2.9	3.0	3.0	3.0	3.0	3.1	3.2	3.1	3.1	3.1	3.1	3.1
Wholesale Trade	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.5	3.4	3.4	3.4	3.4	3.4
Retail Trade	13.6	13.5	13.2	13.3	13.6	13.7	13.8	13.8	13.8	13.7	13.4	13.7	14.0
General Merchandise Stores	2.1	2.3	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.2	2.3	2.4
Finance, Insurance, and Real Estate	2.1	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Services	15.3	14.5	14.6	14.8	15.0	15.2	15.3	15.3	15.5	15.8	15.8	15.8	15.6
Health Services	6.5	6.3	6.3	6.3	6.4	6.5	6.5	6.5	6.6	6.6	6.6	6.6	6.6
Hospitals	3.2	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Government	9.6	9.3	9.5	9.5	9.6	9.9	9.8	9.3	9.3	9.3	9.6	9.7	9.8
Local Government	7.1	7.0	7.1	7.1	7.1	7.1	7.3	6.9	6.9	7.0	7.3	7.3	7.4
Local Government Education	4.0	4.0	4.1	4.1	4.1	4.1	4.1	3.6	3.6	4.0	4.2	4.2	4.3

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Lima area is defined as Allen and Auglaize Counties. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [c] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [d] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-10 (1990)

Lima MSA
Nonagricultural Wage and Salary Employment, 1989[a]
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	72.7	70.1	70.2	71.0	72.2	73.4	74.2	73.1	73.5	74.3	73.1	73.4	73.3
Goods–Producing Industries	26.4	25.2	25.2	25.4	26.0	26.6	27.3	27.0	27.3	27.6	26.5	26.6	26.2
Construction and Mining	3.4	2.8	2.7	2.8	3.0	3.2	3.4	3.6	3.9	4.3	4.1	3.6	3.2
Manufacturing	23.0	22.5	22.4	22.6	23.0	23.4	23.8	23.4	23.4	23.3	22.4	23.1	23.0
Durable Goods[c]	16.8	16.7	16.7	16.8	17.0	17.3	17.5	17.1	17.0	16.7	16.0	16.7	16.6
Fabricated Metal Products	2.5	2.5	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Industrial Machinery and Equipment	4.0	3.8	3.8	3.9	3.9	4.0	4.1	4.1	4.1	4.0	4.1	4.1	4.1
Transportation Equipment	7.5	7.6	7.6	7.6	7.7	7.9	8.0	7.6	7.5	7.3	6.5	7.1	7.1
Motor Vehicles and Equipment	3.7	3.8	3.8	3.8	3.9	3.9	3.8	3.8	3.7	3.6	2.9	3.5	3.5
Nondurable Goods[d]	6.2	5.8	5.8	5.8	6.0	6.1	6.3	6.4	6.4	6.5	6.4	6.4	6.4
Food and Kindred Products	1.8	1.7	1.7	1.7	1.8	1.8	1.9	1.9	1.9	1.9	1.8	1.8	1.7
Rubber and Miscellaneous Plastics Products	2.0	1.9	1.9	1.9	1.9	2.0	2.1	2.0	2.1	2.1	2.0	2.0	2.0
Service–Producing Industries	46.2	44.8	45.0	45.6	46.2	46.8	46.9	46.1	46.2	46.8	46.6	46.7	47.1
Transportation and Public Utilities	3.0	2.8	2.8	2.9	3.0	3.0	3.0	3.1	3.1	3.1	3.0	3.0	3.0
Wholesale Trade	3.4	3.4	3.4	3.4	3.4	3.4	3.5	3.4	3.3	3.4	3.4	3.4	3.5
Retail Trade	13.8	13.3	13.1	13.5	13.9	14.0	14.1	13.9	14.0	14.0	13.7	13.8	14.2
General Merchandise Stores	2.0	1.9	1.9	2.0	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.3	2.4
Finance, Insurance, and Real Estate	2.1	2.1	2.1	2.1	2.0	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.1
Services	14.5	14.1	14.2	14.4	14.5	14.6	14.5	14.2	14.4	14.9	14.9	14.9	14.8
Health Services	6.2	6.1	6.2	6.2	6.3	6.3	6.1	6.0	6.1	6.0	6.2	6.2	6.2
Hospitals	3.0	3.0	3.1	3.1	3.1	3.1	2.9	2.9	2.9	2.9	3.0	3.0	3.1
Government	9.5	9.2	9.4	9.4	9.5	9.7	9.8	9.5	9.3	9.4	9.5	9.6	9.5
Local Government	7.1	6.8	7.1	7.0	7.0	7.3	7.4	7.1	7.0	7.0	7.1	7.2	7.1
Local Government Education	4.0	4.0	4.2	4.1	4.1	4.1	4.0	3.7	3.6	4.0	4.1	4.2	4.2

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Lima area is defined as Allen and Auglaize Counties. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [c] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [d] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-10 (1989)

Lima MSA

Average Hourly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$13.22	$12.91	$13.19	$13.15	$13.05	$13.08	$13.27	$13.23	$13.18	$13.38	$13.27	$13.47	$13.46
Durable Goods[b]	13.15	12.76	13.04	13.07	12.99	13.07	13.23	13.18	13.16	13.33	13.24	13.40	13.34
Fabricated Metal Products	8.91	8.86	8.88	8.80	8.58	9.01	8.92	8.80	9.00	9.10	9.08	8.96	8.90
Industrial Machinery and Equipment	11.46	11.39	11.37	11.32	11.40	11.31	11.25	11.36	11.37	11.48	11.57	11.60	12.12
Transportation Equipment	16.34	15.87	16.12	16.31	16.08	16.16	16.48	16.43	16.40	16.59	16.44	16.60	16.65
Motor Vehicles and Equipment	17.69	17.08	17.30	17.92	17.51	17.49	17.97	17.65	17.66	17.80	17.76	17.95	18.24
Nondurable Goods[c]	13.43	13.34	13.61	13.39	13.23	13.10	13.40	13.35	13.24	13.51	13.40	13.80	13.76
Food and Kindred Products	9.36	9.40	9.61	9.57	9.32	9.37	9.18	9.28	9.14	9.45	9.22	9.43	9.40
Rubber and Miscellaneous Plastics Products	13.62	12.90	13.39	13.28	12.83	13.04	13.72	13.69	13.76	14.30	14.11	14.21	14.09
Wholesale Trade	9.66	9.58	9.66	9.58	9.62	9.60	9.61	9.66	9.74	9.70	9.66	9.79	9.66
Retail Trade[d]	6.26	6.21	6.24	6.25	6.34	6.33	6.35	6.25	6.22	6.23	6.18	6.25	6.29
General Merchandise Stores	6.28	6.23	6.25	6.24	6.20	6.18	6.25	6.19	6.31	6.35	6.31	6.30	6.49

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Lima area is defined as Allen and Auglaize Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [c] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d] Money payments only; tips not included. [f] Depressed due to labor-management disputes during part of pay period. [g] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-4-10 (1990)

Lima MSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	42.2	42.1	42.4	42.1	41.3	42.0	42.1	41.7	41.9	42.8	42.1	42.8	42.8
Durable Goods[b]	42.1	42.1	42.1	41.8	41.3	42.0	41.9	41.4	41.6	42.5	42.4	42.7	43.1
Fabricated Metal Products	41.3	41.3	41.6	41.7	40.4	42.9	41.5	40.1	41.5	42.8	41.6	40.0	40.5
Industrial Machinery and Equipment	40.4	41.0	40.6	39.7	39.9	39.7	39.1	39.6	38.8	40.6	41.7	42.1	42.8
Transportation Equipment	43.2	42.1	43.1	43.0	42.4	42.8	43.2	43.0	43.7	44.1	43.5	43.7	43.8
Motor Vehicles and Equipment	45.5	43.2	45.1	45.9	45.0	44.7	47.2	46.5	46.6	45.8	45.6	45.7	44.3
Nondurable Goods[c]	42.4	42.2	43.2	43.0	41.2	41.9	42.5	42.6	42.7	43.6	41.3	43.1	42.0
Food and Kindred Products	41.8	40.3	41.5	42.9	40.9	42.2	40.4	41.3	41.1	43.8	41.0	43.1	43.6
Rubber and Miscellaneous Plastics Products	45.0	44.4	46.2	45.7	41.6	43.9	46.2	45.8	47.1	46.5	44.3	45.4	43.0
Wholesale Trade	38.2	38.4	38.5	38.4	38.3	38.0	37.9	37.9	37.8	37.9	38.1	38.4	38.7
Retail Trade	30.0	30.4	29.9	29.9	29.7	29.8	30.1	30.7	30.0	30.1	29.4	29.2	30.5
General Merchandise Stores	27.8	27.2	26.3	27.0	26.9	26.8	27.5	27.9	28.0	28.4	28.4	27.4	31.7

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Lima area is defined as Allen and Auglaize Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [c] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Depressed due to labor-management disputes during part of pay period. [g] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-3-10 (1990)

Lima MSA

Average Weekly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$557.88	$543.51	$559.26	$553.62	$538.97	$549.36	$558.67	$551.69	$552.24	$572.66	$558.67	$576.52	$576.09
Durable Goods[b]	553.62	537.20	548.98	546.33	536.49	548.94	554.34	545.65	547.46	566.53	561.38	572.18	574.95
Fabricated Metal Products	367.98	365.92	369.41	366.96	346.63	386.53	370.18	352.88	373.50	389.48	377.73	358.40	360.45
Industrial Machinery and Equipment	462.98	466.99	461.62	449.40	454.86	449.01	439.88	449.86	441.16	466.09	482.47	488.36	518.74
Transportation Equipment	705.89	668.13	694.77	701.33	681.79	691.65	711.94	706.49	716.68	731.62	715.14	725.42	729.27
Motor Vehicles and Equipment	804.90	737.86	780.23	822.53	787.95	781.80	848.18	820.73	822.96	815.24	809.86	820.32	808.03
Nondurable Goods[c]	569.43	562.95	587.95	575.77	545.08	548.89	569.50	568.71	565.35	589.04	553.42	594.78	577.92
Food and Kindred Products	391.25	378.82	398.82	410.55	381.19	395.41	370.87	383.26	375.65	413.91	378.02	406.43	409.84
Rubber and Miscellaneous Plastics Products	612.90	572.76	618.62	606.90	533.73	572.46	633.86	627.00	648.10	664.95	625.07	645.13	605.87
Wholesale Trade	369.01	367.87	371.91	367.87	368.45	364.80	364.22	366.11	368.17	367.63	368.05	375.94	373.84
Retail Trade[d]	187.80	188.78	186.58	186.88	188.30	188.63	191.14	191.88	186.60	187.52	181.69	182.50	191.85
General Merchandise Stores	174.58	169.46	164.38	168.48	166.78	165.62	171.88	172.70	176.68	180.34	179.20	172.62	205.73

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Lima area is defined as Allen and Auglaize Counties. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [c] Includes tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d] Money payments only; tips not included. [f] Depressed due to labor-management disputes during part of pay period. [g] Not comparable to previous estimates.

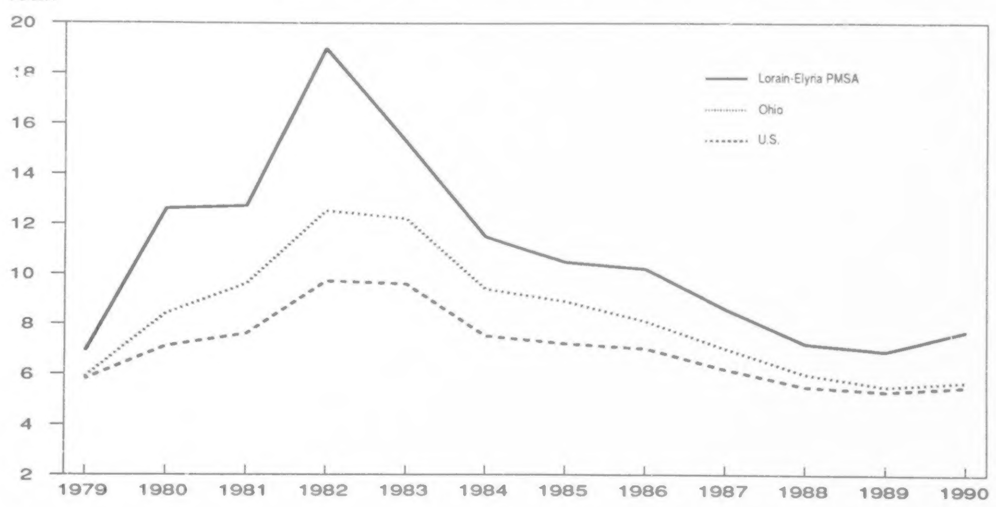
Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-2-10 (1990)

Lorain-Elyria Primary Metropolitan Statistical Area

The estimated annual average civilian labor force in the Lorain-Elyria metropolitan area, distributed by place of residence, was unchanged from 1989 at 119,600 in 1990. Total employment fell 900 during the period to 110,400, while unemployment rose 900. The unemployment rate increased from 6.9 percent in 1989 to 7.7 percent in 1990.

Nonagricultural wage and salary employment advanced 500 above the 1989 level to 92,800 in 1990. Expansion in service-producing industries created 700 jobs. Leading growth areas were government and services. Employment in finance, insurance, and real estate declined slightly. The workforce in goods-producing industries totaled 32,300, down 300 over the year. Production cutbacks in durable-goods manufacturing, primarily transportation equipment, more than offset gains in construction and mining.

Lorain-Elyria PMSA, Ohio and U.S. Unemployment Rates



Lorain-Elyria PMSA
Civilian Labor Force and Nonagricultural Wage and Salary Employment[a]

(Employed and Unemployed in Thousands)

Civilian Labor Force	Employment	Unemployment	Unemployment Rates[b]				Nonagricultural Wage and Salary Employment		
			PMSA	Ohio	U.S.			Goods-Producing Industries	Service-Producing Industries
128.1	119.3	8.8	6.9	5.9	5.8	1979	98.4	44.8	53.7
127.5	111.4	16.1	12.6	8.4	7.1	1980	90.9	37.9	52.9
125.6	109.7	15.9	12.7	9.6	7.6	1981	89.5	37.8	51.8
126.0	102.1	24.0	19.0	12.5	9.7	1982	81.6	31.0	50.6
119.8	101.5	18.4	15.3	12.2	9.6	1983	81.7	31.0	50.7
116.1	102.7	13.4	11.5	9.4	7.5	1984	83.5	31.4	52.1
115.9	103.7	12.2	10.5	8.9	7.2	1985	84.5	31.0	53.5
118.3	106.2	12.1	10.2	8.1	7.0	1986	85.5	30.0	55.5
117.7	107.5	10.2	8.6	7.0	6.2	1987	88.4	31.2	57.2
119.0	110.4	8.6	7.2	6.0	5.5	1988	91.5	32.9	58.7
119.6	111.3	8.3	6.9	5.5	5.3	1989	92.3	32.6	59.8
119.6	110.4	9.2	7.7	5.7	5.5	1990	92.8	32.3	60.5

[a] Civilian labor force estimates are based on place of residence. Nonagricultural wage and salary employment estimates are based on place of work.

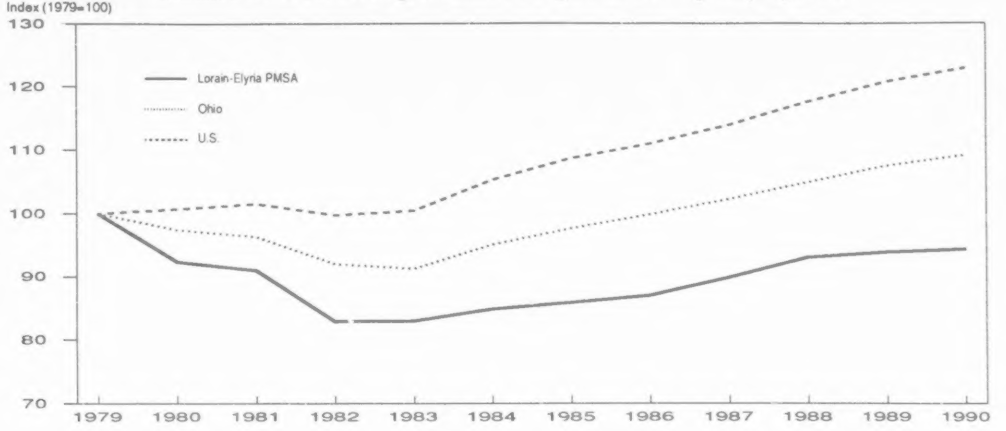
[b] Unemployment as percent of civilian labor force.

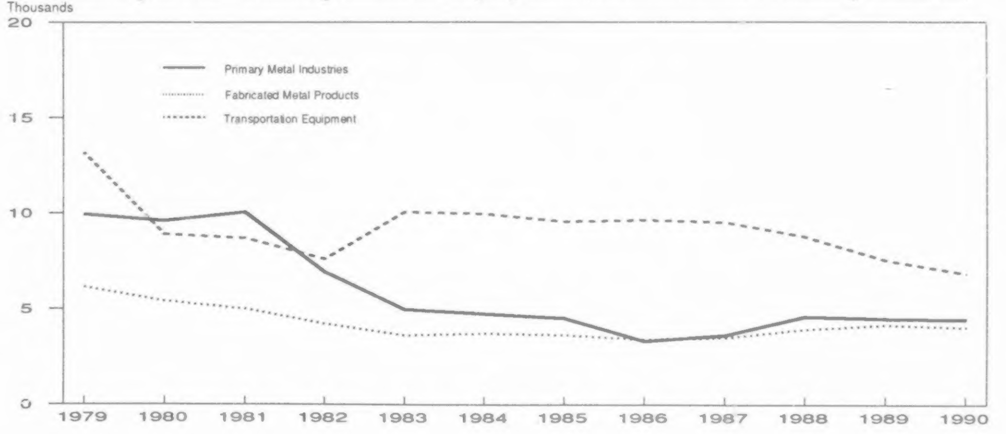
Nonfarm payroll employment in the Lorain-Elyria area rose 11,100 since the 1983 economic downturn. Noteworthy gains were posted in services (+3,800), retail trade (+3,000), construction and mining (+2,400), and government (+2,100). The manufacturing workforce declined 1,100. From 1979 to 1990, employment dropped 5,600 or 5.7 percent. The number of employees in manufacturing fell 12,900.

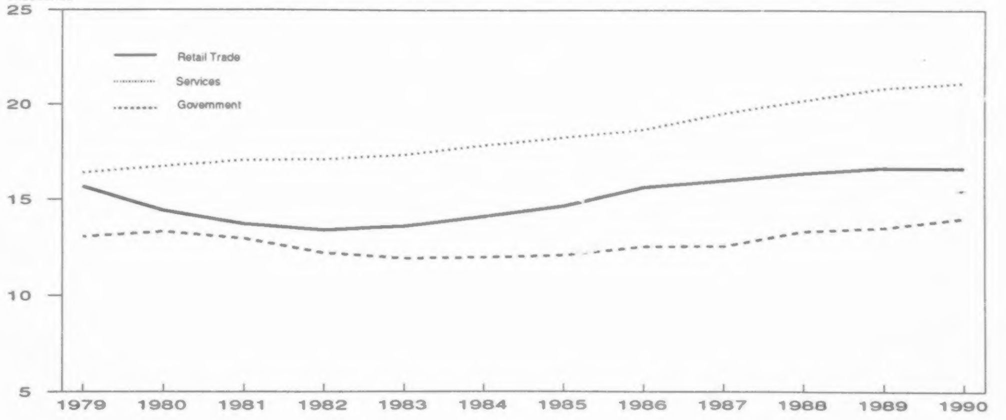
Lorain-Elyria PMSA
Division-Level Nonagricultural Wage and Salary Employment

(Employed and Unemployed in Thousands)

Construction & Mining	Manufacturing		Transportation & Utilities	Wholesale Trade	Retail Trade		Finance, Insurance, & Real Estate	Services	Government
4.3	40.4	1979	3.5	1.9	15.7	1979	3.1	16.4	13.1
3.5	34.5	1980	3.7	1.7	14.4	1980	3.0	16.7	13.3
3.3	34.5	1981	3.4	1.8	13.7	1981	2.9	17.0	13.0
2.4	28.6	1982	3.4	1.9	13.4	1982	2.8	17.1	12.2
2.4	28.6	1983	3.4	1.8	13.6	1983	2.7	17.3	11.9
2.5	28.8	1984	3.5	2.0	14.1	1984	2.7	17.8	12.0
2.7	28.2	1985	3.6	2.1	14.6	1985	2.8	18.2	12.1
3.1	27.0	1986	3.4	2.3	15.6	1986	2.9	18.7	12.5
3.7	27.5	1987	3.4	2.7	16.0	1987	3.0	19.5	12.6
4.0	28.8	1988	3.2	2.5	16.3	1988	3.1	20.2	13.3
4.2	28.4	1989	3.2	2.5	16.6	1989	3.1	20.8	13.5
4.8	27.5	1990	3.2	2.5	16.6	1990	3.0	21.1	14.0


Indexes of Total Nonagricultural Wage and Salary Employment


Lorain-Elyria PMSA Nonagricultural Employment (Selected Goods-Producing Industries)


Lorain-Elyria PMSA Nonagricultural Employment (Selected Service-Producing Industries)

Lorain-Elyria PMSA

Nonagricultural Wage and Salary Employment, 1990[a]
(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	92.8	85.6	91.5	93.0	94.3	95.8	96.1	94.1	94.3	92.0	94.7	90.5	91.8
Goods–Producing Industries	32.3	26.8	32.5	33.3	33.5	33.6	33.8	34.0	34.3	31.0	33.9	29.9	30.8
Construction and Mining	4.8	4.3	4.5	4.7	4.9	4.9	4.9	5.1	5.2	5.0	4.9	4.8	4.4
Manufacturing	27.5	22.6	28.1	28.5	28.6	28.7	28.9	28.9	29.2	26.1	29.0	25.1	26.4
Durable Goods[c]	22.9	18.1	23.6	24.0	24.0	24.1	24.3	24.3	24.5	21.4	24.2	20.2	21.6
Primary Metal Industries	4.4	4.3	4.2	4.5	4.5	4.5	4.5	4.5	4.4	4.5	4.5	4.5	4.5
Fabricated Metal Products	4.0	4.1	4.1	4.0	4.0	4.1	4.1	4.1	4.1	4.0	4.0	3.9	3.9
Transportation Equipment	6.8	2.3	8.0	8.0	8.0	8.0	8.2	8.2	8.5	5.3	8.1	4.0	5.6
Nondurable Goods[d]	4.6	4.5	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.7	4.8	4.9	4.8
Service–Producing Industries	60.5	58.8	59.0	59.7	60.8	62.2	62.3	60.1	60.0	60.9	60.8	60.6	61.0
Transportation and Public Utilities	3.2	3.1	3.1	3.1	3.2	3.2	3.3	3.2	3.3	3.3	3.3	3.2	3.3
Wholesale Trade	2.5	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.6
Retail Trade	16.6	16.2	15.9	16.0	16.3	16.8	16.9	16.8	16.9	15.9	16.7	16.7	17.0
Finance, Insurance, and Real Estate	3.0	3.1	3.1	3.1	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.0	3.0
Services	21.1	20.4	20.6	21.0	21.5	21.7	21.7	21.3	21.2	21.4	21.1	20.8	20.8
Health Services	8.2	8.2	8.1	8.1	8.2	8.3	8.3	8.3	8.3	8.4	8.2	8.2	8.3
Hospitals	3.9	3.9	3.8	3.9	3.9	3.9	3.9	3.9	3.9	4.0	3.7	3.7	3.8
Government	14.0	13.6	13.8	14.1	14.2	14.9	14.7	13.2	12.9	13.7	14.1	14.3	14.3
Local Government	11.7	11.6	11.8	11.9	11.8	12.0	12.2	10.7	10.5	11.4	11.9	12.1	12.1
Local Government Education	7.5	7.5	7.8	7.8	7.7	7.8	7.6	6.1	6.1	7.2	7.9	8.0	8.0

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Lorain-Elyria area is defined as Lorain County. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [c] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [d] Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-11 (1990)

Lorain–Elyria PMSA

Nonagricultural Wage and Salary Employment, 1989[a]
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	92.3	90.6	90.8	91.8	93.1	94.1	94.9	93.1	93.4	90.9	91.5	92.7	91.3
Goods–Producing Industries	32.6	32.2	32.0	32.5	33.3	33.3	33.6	34.1	34.1	30.9	31.3	32.6	30.7
Construction and Mining	4.2	3.2	3.2	3.3	3.7	4.0	4.3	4.7	4.8	4.7	4.9	4.8	4.4
Manufacturing	28.4	29.0	28.8	29.2	29.6	29.3	29.2	29.3	29.3	26.2	26.4	27.7	26.3
Durable Goods[c]	23.8	24.5	24.3	24.6	25.0	24.6	24.6	24.8	24.8	21.6	21.7	23.1	21.7
Primary Metal Industries	4.5	4.5	4.5	4.5	4.7	4.3	4.3	4.5	4.5	4.6	4.6	4.5	4.3
Fabricated Metal Products	4.2	4.1	4.1	4.2	4.2	4.2	4.3	4.1	4.2	4.1	4.2	4.2	4.2
Transportation Equipment	7.6	8.6	8.3	8.5	8.6	8.5	8.4	8.5	8.5	5.3	5.4	6.8	5.6
Nondurable Goods[d]	4.6	4.5	4.6	4.6	4.6	4.7	4.6	4.6	4.5	4.6	4.6	4.6	4.6
Service–Producing Industries	59.8	58.4	58.8	59.3	59.7	60.7	61.3	59.1	59.3	60.0	60.2	60.1	60.6
Transportation and Public Utilities	3.2	3.1	3.1	3.2	3.1	3.2	3.2	3.1	3.2	3.2	3.3	3.3	3.3
Wholesale Trade	2.5	2.5	2.5	2.5	2.4	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Retail Trade	16.6	16.1	15.9	16.2	16.5	16.7	17.0	16.8	17.0	17.0	16.6	16.7	17.1
Finance, Insurance, and Real Estate	3.1	3.1	3.0	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.1	3.1	3.1
Services	20.8	20.0	20.4	20.5	21.0	21.3	21.0	20.9	20.8	21.3	21.2	21.0	20.8
Health Services	8.4	8.3	8.3	8.3	8.4	8.5	8.4	8.6	8.6	8.6	8.3	8.2	8.3
Hospitals	4.0	4.0	4.0	4.0	4.1	4.1	4.1	4.2	4.2	4.2	3.9	3.8	3.8
Government	13.5	13.6	13.8	13.9	13.6	14.0	14.4	12.6	12.5	12.9	13.5	13.5	13.7
Local Government	11.6	11.8	12.0	12.0	11.7	12.1	12.4	10.6	10.5	11.0	11.5	11.6	11.8
Local Government Education	7.3	7.6	7.7	7.8	7.7	7.8	7.6	5.8	5.8	6.8	7.5	7.6	7.7

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Lorain-Elyria area is defined as Lorain County. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [c] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [d] Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [f] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-11 (1989)

Lorain–Elyria PMSA

Average Hourly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$13.29	$11.97	$13.28	$13.41	$13.57	$13.69	$13.51	$13.42	$13.51	$13.10	$13.46	$12.78	$13.32
Durable Goods[b]	13.86	12.42	13.78	13.95	14.14	14.28	14.09	13.97	14.07	13.71	14.03	13.37	13.88
Primary Metal Industries	14.40	13.97	14.12	14.24	14.38	14.31	14.22	14.24	14.35	14.87	14.60	14.54	14.85
Fabricated Metal Products	9.96	9.98	9.97	9.89	9.75	10.06	9.92	9.85	9.87	9.99	10.06	10.06	10.13
Transportation Equipment	17.02	17.50	16.78	16.98	17.27	17.55	17.26	16.85	16.87	16.79	16.64	16.87	17.08
Nondurable Goods[c]	10.04	10.01	10.12	10.07	10.00	10.01	9.98	10.04	10.02	9.96	10.09	10.00	10.14
Wholesale Trade	9.57	9.46	9.59	9.51	9.39	9.51	9.46	9.57	9.65	9.58	9.64	9.78	9.72
Retail Trade[d]	6.25	6.18	6.23	6.23	6.24	6.24	6.20	6.19	6.24	6.20	6.32	6.30	6.41

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Lorain-Elyria area is defined as Lorain County. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [c] Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [d] Money payments only; tips not included. [f] Depressed due to labor-management disputes during part of pay period. [g] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-4-11 (1990)

Lorain–Elyria PMSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	42.9	42.6	42.5	43.0	42.8	44.0	42.8	42.2	42.9	43.1	42.7	43.2	43.0
Durable Goods[b]	43.5	43.3	42.8	43.5	43.5	44.7	43.4	42.7	43.5	43.9	43.3	44.1	43.9
Primary Metal Industries	45.3	43.8	44.0	44.6	45.5	43.5	44.8	44.2	44.6	46.7	46.6	47.5	48.2
Fabricated Metal Products	43.1	43.9	42.7	43.5	40.1	45.4	44.1	42.2	42.8	43.0	43.8	42.4	43.6
Transportation Equipment	43.7	45.9	43.5	44.3	45.8	47.3	44.3	42.8	43.5	42.4	41.7	41.4	40.9
Nondurable Goods[c]	39.5	39.7	41.1	40.0	39.0	39.9	39.5	39.2	39.4	39.5	39.5	39.5	38.3
Wholesale Trade	38.3	38.0	38.3	38.4	38.4	38.5	38.2	38.3	37.9	38.2	38.6	38.3	38.3
Retail Trade	26.2	25.2	25.1	25.5	25.9	26.1	26.7	27.1	27.2	26.4	26.1	25.9	26.5

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Lorain-Elyria area is defined as Lorain County. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [c] Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [f] Depressed due to labor-management disputes during part of pay period. [g] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-3-11 (1990)

Lorain-Elyria PMSA

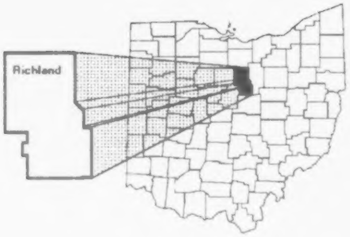
Average Weekly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$570.14	$509.92	$564.40	$576.63	$580.80	$602.36	$578.23	$566.32	$579.58	$564.61	$574.74	$552.10	$572.76
Durable Goods[b]	602.91	537.79	589.78	606.83	615.09	638.32	611.51	596.52	612.05	601.87	607.50	589.62	609.33
Primary Metal Industries	652.32	611.89	621.28	635.10	654.29	622.49	637.06	629.41	640.01	694.43	680.36	690.65	715.77
Fabricated Metal Products	429.28	438.12	425.72	430.22	390.98	456.72	437.47	415.67	422.44	429.57	440.63	426.54	441.67
Transportation Equipment	743.77	803.25	729.93	752.21	790.97	830.12	764.62	721.18	733.85	711.90	693.89	698.42	698.57
Nondurable Goods[c]	396.58	397.40	415.93	402.80	390.00	399.40	394.21	393.57	394.79	393.42	398.56	395.00	388.36
Wholesale Trade	366.53	359.48	367.30	365.18	360.58	366.14	361.37	366.53	365.74	365.96	372.10	374.57	372.28
Retail Trade[d]	163.75	155.74	156.37	158.87	161.62	162.86	165.54	167.75	169.73	163.68	164.95	163.17	169.87

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Lorain-Elyria area is defined as Lorain County. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; industrial machinery and equipment; electronic and other electric equipment; instruments and related products; miscellaneous manufacturing industries. [c] Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [d] Money payments only; tips not included. [f] Depressed due to labor-management disputes during part of pay period. [g] Not comparable to previous estimates.

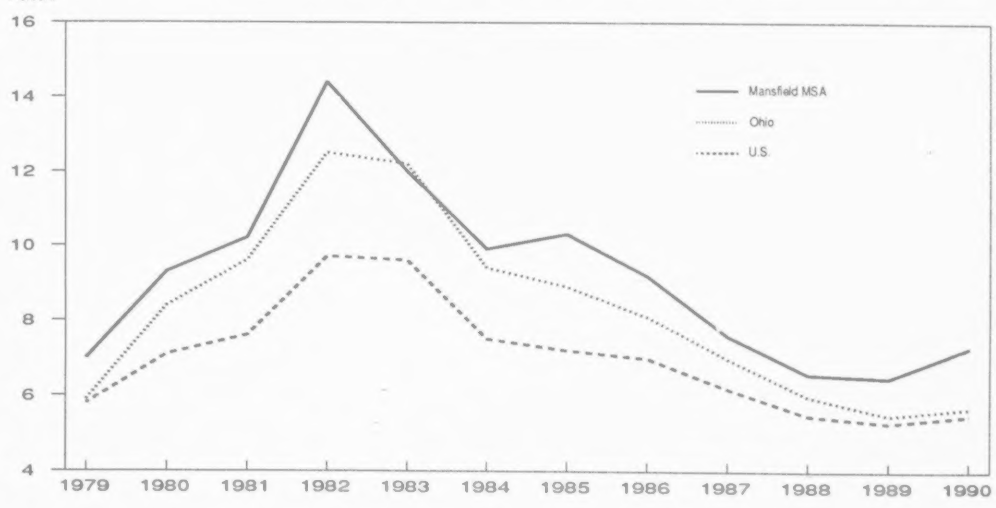
Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-2-11 (1990)

Mansfield Metropolitan Statistical Area



Based on place of residence, the estimated annual average civilian labor force in the Mansfield metropolitan area dropped 1,000 from 1989 to 65,000 in 1990. Total employment, at 60,200, lost 1,500 jobs, while the number of unemployed increased 400. The unemployment rate rose from 6.5 percent in 1989 to 7.3 percent in 1990.

Nonagricultural wage and salary employment declined 800 below the 1989 level to 59,600 in 1990. Production cutbacks in durable-goods manufacturing, particularly fabricated metal products and electronic and other electric equipment, lowered employment in goods-producing industries 800 over the year to 20,400. Employment in construction and mining was little changed during the period. The workforce in service-producing industries remained at the 1989 level. Nominal gains in services, government, and transportation and public utilities counterbalanced reductions in retail trade and finance, insurance, and real estate.



Mansfield MSA, Ohio and U.S. Unemployment Rates

Mansfield MSA
Civilian Labor Force and Nonagricultural Wage and Salary Employment[a]

(Employed and Unemployed in Thousands)

Civilian Labor Force							Nonagricultural Wage and Salary Employment		
	Employment							Goods–Producing Industries	Service–Producing Industries
		Unemployment							
			Unemployment Rates[b]						
			MSA	Ohio	U.S.				
60.5	56.3	4.2	7.0	5.9	5.8	1979	55.2	23.8	31.5
62.4	56.7	5.8	9.3	8.4	7.1	1980	54.2	22.4	31.8
63.0	56.5	6.5	10.2	9.6	7.6	1981	54.1	22.6	31.6
62.4	53.5	9.0	14.4	12.5	9.7	1982	50.3	19.1	31.2
62.7	55.2	7.5	12.0	12.2	9.6	1983	51.8	20.3	31.5
63.7	57.4	6.3	9.9	9.4	7.5	1984	54.8	21.9	32.9
63.9	57.3	6.6	10.3	8.9	7.2	1985	55.2	21.5	33.7
64.5	58.6	6.0	9.2	8.1	7.0	1986	56.4	21.2	35.1
64.0	59.1	4.8	7.6	7.0	6.2	1987	57.4	21.1	36.4
64.4	60.2	4.2	6.6	6.0	5.5	1988	58.7	21.3	37.5
66.0	61.7	4.3	6.5	5.5	5.3	1989	60.4	21.2	39.2
65.0	60.2	4.7	7.3	5.7	5.5	1990	59.6	20.4	39.2

[a] Civilian labor force estimates are based on place of residence. Nonagricultural wage and salary employment estimates are based on place of work.
[b] Unemployment as percent of civilian labor force.

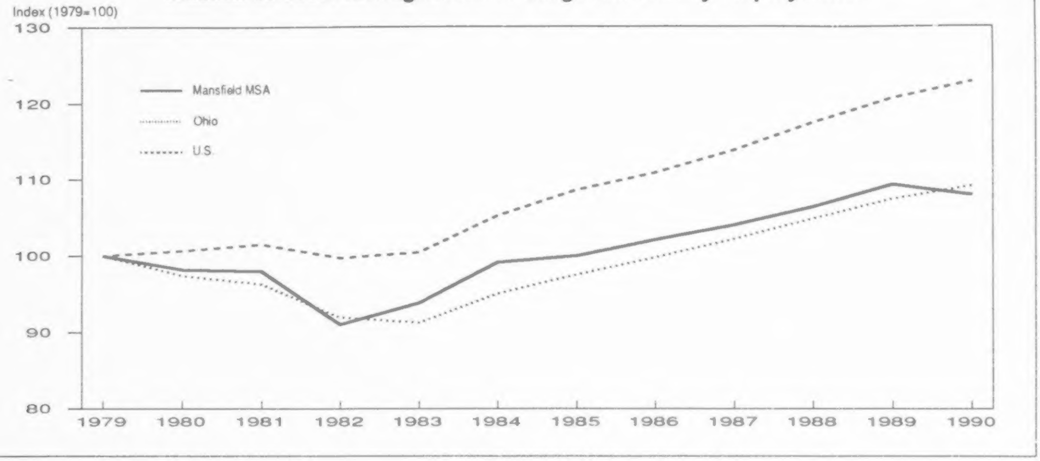
Nonfarm payroll employment in the Mansfield area increased 7,800 since the 1983 economic downturn. Moderate expansion was recorded in services (+3,900) and retail trade (+2,300). Modest gains occurred in government, construction and mining, and wholesale trade. From 1979 to 1990, employment rose 4,400 or 8.0 percent. During the same period, the manufacturing workforce lost 3,400 jobs.

Mansfield MSA
Division-Level Nonagricultural Wage and Salary Employment

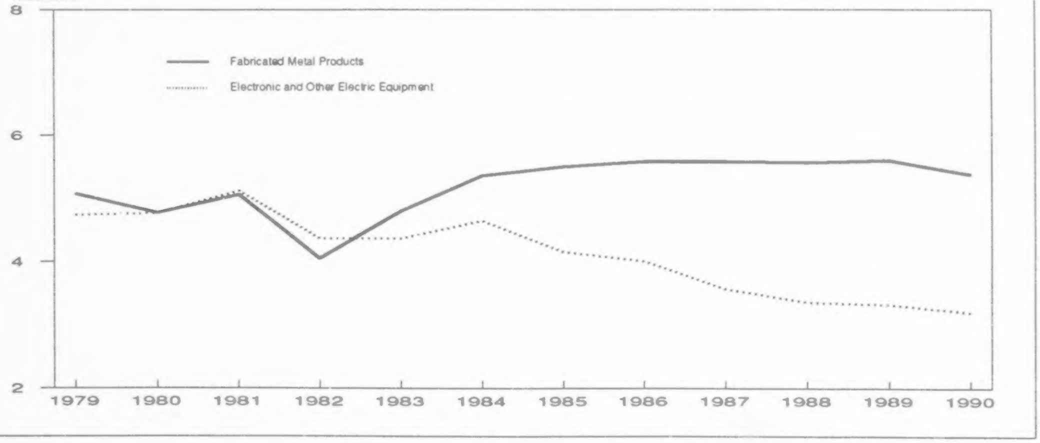
(Employed and Unemployed in Thousands)

Construction & Mining	Manufacturing		Transportation & Utilities	Wholesale Trade	Retail Trade		Finance, Insurance, & Real Estate	Services	Government
2.1	21.7	1979	3.5	1.9	9.1	1979	2.3	7.9	6.8
1.8	20.6	1980	3.3	1.7	9.5	1980	2.3	8.1	6.8
1.3	21.2	1981	3.3	1.7	9.3	1981	2.4	8.4	6.5
1.1	18.0	1982	3.1	1.7	9.0	1982	2.3	8.4	6.7
1.3	19.0	1983	2.9	1.8	8.9	1983	2.3	8.9	6.7
1.5	20.4	1984	2.9	1.9	9.3	1984	2.3	9.6	6.8
1.7	19.9	1985	2.8	2.0	9.6	1985	2.4	9.8	7.0
1.9	19.3	1986	2.9	2.2	10.1	1986	2.3	10.1	7.4
2.0	19.1	1987	2.9	2.1	10.5	1987	2.3	11.1	7.3
2.0	19.2	1988	3.0	2.2	11.1	1988	2.4	11.6	7.1
2.2	19.0	1989	3.0	2.3	11.5	1989	2.4	12.6	7.4
2.1	18.3	1990	3.1	2.3	11.2	1990	2.3	12.8	7.6

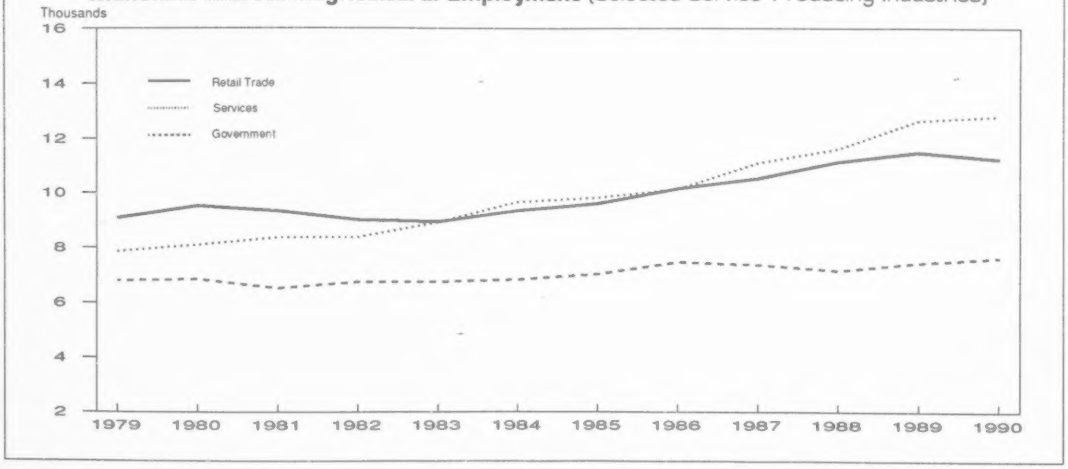
Indexes of Total Nonagricultural Wage and Salary Employment



Mansfield MSA Nonagricultural Employment (Selected Goods–Producing Industries)



Mansfield MSA Nonagricultural Employment (Selected Service–Producing Industries)



Mansfield MSA

Nonagricultural Wage and Salary Employment, 1990[a]
(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	59.6	58.8	59.1	59.9	60.1	60.8	60.8	59.8	59.4	59.4	59.2	59.1	59.2
Goods–Producing Industries	20.4	20.1	20.5	20.7	20.7	20.7	20.9	20.7	20.5	20.2	20.1	20.0	19.9
Construction and Mining	2.1	1.9	1.9	1.9	2.0	2.1	2.2	2.4	2.4	2.3	2.3	2.2	2.1
Manufacturing	18.3	18.2	18.6	18.8	18.7	18.6	18.7	18.3	18.1	17.9	17.8	17.8	17.8
Durable Goods[c]	16.3	16.2	16.6	16.8	16.7	16.6	16.7	16.3	16.1	15.9	15.9	15.9	15.9
Fabricated Metal Products	5.4	5.0	5.4	5.5	5.4	5.4	5.5	5.4	5.2	5.5	5.4	5.4	5.4
Electronic and Other Electric Equipment	3.2	3.5	3.5	3.5	3.4	3.3	3.3	3.1	3.0	2.9	3.0	3.0	3.0
Nondurable Goods[d]	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9
Service–Producing Industries	39.2	38.7	38.7	39.1	39.4	40.1	39.9	39.1	38.9	39.1	39.1	39.1	39.3
Transportation and Public Utilities	3.1	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1
Wholesale Trade	2.3	2.3	2.2	2.2	2.3	2.3	2.4	2.4	2.3	2.3	2.3	2.3	2.3
Retail Trade	11.2	11.1	10.8	11.1	11.2	11.3	11.4	11.3	11.4	11.4	11.1	11.1	11.2
Finance, Insurance, and Real Estate	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2
Services	12.8	12.6	12.7	12.8	12.8	13.0	12.8	12.7	12.6	12.9	12.8	12.7	12.9
Health Services	4.4	4.3	4.3	4.3	4.4	4.4	4.4	4.5	4.5	4.5	4.5	4.5	4.5
Government	7.6	7.4	7.6	7.8	7.8[e]	8.1	7.8	7.4	7.2	7.2	7.5	7.7	7.6
Local Government	5.7	5.7	5.8	5.9	5.9	5.9	5.8	5.5	5.4	5.4	5.7	5.8	5.7
Local Government Education	3.9	3.8	4.0	4.0	4.0	4.0	3.9	3.6	3.6	3.8	4.1	4.2	4.1

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Mansfield area is defined as Richland County. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [c] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [d] Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-12 (1990)

Mansfield MSA

Nonagricultural Wage and Salary Employment, 1989[a]

(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	60.4	58.9	59.2	59.7	60.4	61.1	61.2	60.7	60.1	60.8	60.7	60.9	61.0
Goods–Producing Industries	21.2	21.0	21.1	21.0	21.2	21.6	21.7	21.3	20.9	21.2	21.2	21.3	21.0
Construction and Mining	2.2	1.8	1.8	1.9	2.0	2.2	2.2	2.5	2.4	2.3	2.3	2.3	2.2
Manufacturing	19.0	19.2	19.3	19.1	19.2	19.4	19.5	18.8	18.5	18.8	18.9	19.0	18.8
Durable Goods[c]	17.0	17.2	17.3	17.1	17.2	17.4	17.5	16.8	16.5	16.8	16.8	17.0	16.8
Fabricated Metal Products	5.6	5.8	5.9	5.8	5.7	5.8	5.8	5.1	5.0	5.4	5.6	5.7	5.6
Electronic and Other Electric Equipment	3.3	3.3	3.3	3.2	3.3	3.3	3.3	3.3	3.3	3.3	3.4	3.4	3.5
Nondurable Goods[d]	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Service–Producing Industries	39.2	37.9	38.1	38.7	39.1	39.4	39.6	39.4	39.2	39.7	39.5	39.6	39.9
Transportation and Public Utilities	3.0	2.8	2.8	2.9	2.9	3.0	3.0	3.1	3.1	3.1	3.0	3.0	3.1
Wholesale Trade	2.3	2.2	2.2	2.2	2.2	2.3	2.3	2.3	2.3	2.3	2.4	2.3	2.3
Retail Trade	11.5	10.9	10.8	11.0	11.5	11.5	11.8	11.7	11.7	11.7	11.4	11.7	11.9
Finance, Insurance, and Real Estate	2.4	2.5	2.4	2.5	2.4	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.3
Services	12.6	12.3	12.4	12.7	12.6	12.6	12.5	12.6	12.6	12.9	12.8	12.6	12.8
Health Services	4.3	4.2	4.2	4.3	4.3	4.3	4.3	4.3	4.4	4.3	4.4	4.3	4.3
Government	7.4	7.2	7.4	7.4	7.4	7.5	7.5	7.3	7.1	7.2	7.5	7.6	7.5
Local Government	5.6	5.5	5.7	5.7	5.7	5.8	5.7	5.5	5.3	5.5	5.8	5.8	5.7
Local Government Education	3.8	3.8	4.0	4.0	3.9	4.0	3.9	3.6	3.4	3.7	4.0	4.0	3.9

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Mansfield area is defined as Richland County. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [c] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [d] Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [f] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-12 (1989)

Mansfield MSA

Average Hourly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$13.45	$12.96	$12.96	$13.03	$12.88	$13.23	$13.52	$13.51	$13.48	$14.06	$14.06	$13.91	$13.85
Durable Goods[b]	13.99	13.45	13.46	13.53	13.40	13.74	14.07	14.06	14.03	14.64	14.64	14.49	14.38
Fabricated Metal Products	17.14	16.43	16.28	16.44	16.15	16.39	17.25	17.28	17.31	17.75	18.26	17.82	18.14
Electronic and Other Electric Equipment	10.96	10.92	10.76	10.86	10.75	10.92	11.00	10.96	11.04	11.13	11.02	11.18	11.07
Nondurable Goods[c]	9.02	8.71	8.87	8.95	8.44	8.95	9.15	9.12	9.20	9.24	9.19	9.17	9.17
Wholesale Trade	8.40	8.45	8.47	8.50	8.33	8.41	8.42	8.39	8.46	8.24	8.23	8.42	8.51
Retail Trade[d]	6.26	6.09	6.08	6.09	6.20	6.15	6.17	6.24	6.25	6.27	6.36	6.78	6.41

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Mansfield area is defined as Richland County. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [c] Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [d] Money payments only; tips not included. [f] Depressed due to labor-management disputes during part of pay period. [g] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-4-12 (1990)

Mansfield MSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	41.1	40.4	40.2	40.7	39.9	41.2	42.3	41.5	41.4	42.7	41.9	41.1	40.1
Durable Goods[b]	40.8	40.1	39.7	40.3	39.8	41.0	41.9	41.2	41.0	42.6	41.7	40.7	39.8
Fabricated Metal Products	40.0	37.0	38.8	39.3	38.7	40.2	42.2	40.3	40.3	43.7	40.9	39.0	39.9
Electronic and Other Electric Equipment	40.8	42.3	40.0	40.4	40.0	39.2	40.1	40.1	41.0	40.6	41.6	42.5	41.5
Nondurable Goods[c]	43.8	43.3	45.0	43.9	40.6	43.2	45.8	44.4	44.6	43.7	43.4	44.7	43.3
Wholesale Trade	40.1	39.7	40.0	40.4	40.0	40.3	40.6	40.3	40.3	40.1	39.8	40.0	39.7
Retail Trade	27.2	26.6	26.6	27.0	26.7	26.8	26.8	27.1	27.0	27.3	26.9	29.5	28.2

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Mansfield area is defined as Richland County. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [c] Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [f] Depressed due to labor-management disputes during part of pay period. [g] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-3-12 (1990)

Mansfield MSA

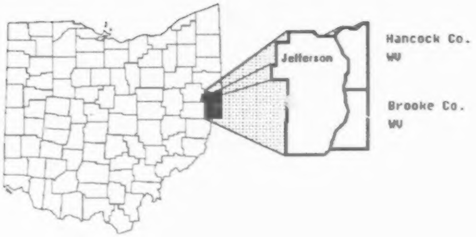
Average Weekly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$552.80	$523.58	$520.99	$530.32	$513.91	$545.08	$571.90	$560.67	$558.07	$600.36	$589.11	$571.70	$555.39
Durable Goods[b]	570.79	539.35	534.36	545.26	533.32	563.34	589.53	579.27	575.23	623.66	610.49	589.74	572.32
Fabricated Metal Products	685.60	607.91	631.66	646.09	625.01	658.88	727.95	696.38	697.59	775.68	746.83	694.98	723.79
Electronic and Other Electric Equipment	447.17	461.92	430.40	438.74	430.00	428.06	441.10	439.50	452.64	451.88	458.43	475.15	459.41
Nondurable Goods[c]	395.08	377.14	399.15	392.91	342.66	386.64	419.07	404.93	410.32	403.79	398.85	409.90	397.06
Wholesale Trade	336.84	335.47	338.80	343.40	333.20	338.92	341.85	338.12	340.94	330.42	327.55	336.80	337.85
Retail Trade[d]	170.27	161.99	161.73	164.43	165.54	164.82	165.36	169.10	168.75	171.17	171.08	200.01	180.76

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Mansfield area is defined as Richland County. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; industrial machinery and equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [c] Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [d] Money payments only; tips not included. [f] Depressed due to labor-management disputes during part of pay period. [g] Not comparable to previous estimates.

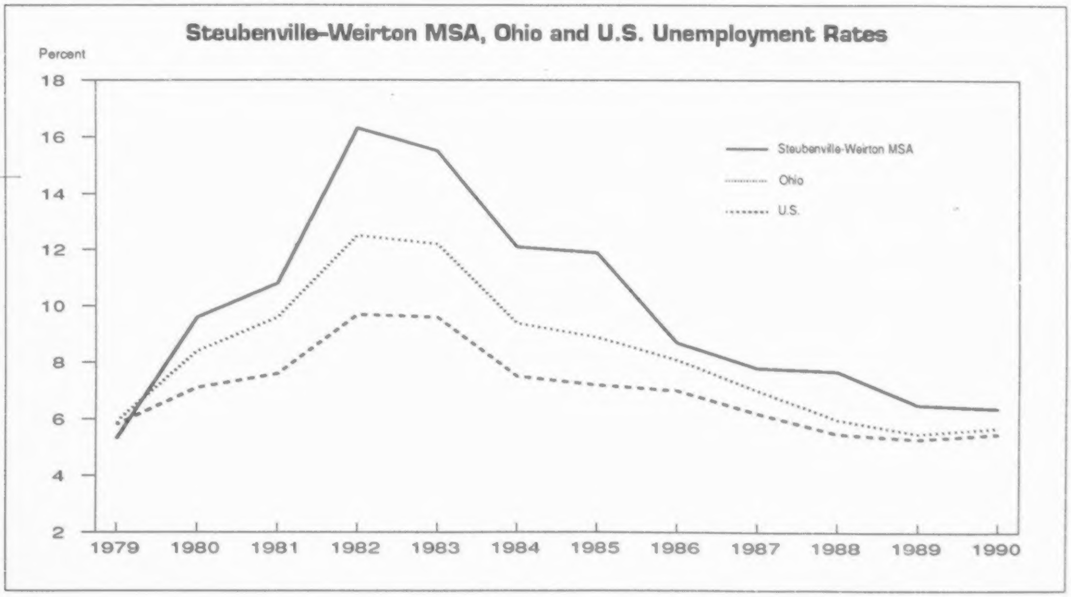
Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-2-12 (1990)

Steubenville-Weirton Metropolitan Statistical Area



In the Steubenville-Weirton metropolitan area, the estimated annual average civilian labor force, distributed by place of residence, increased 200 from 1989 to 56,400 in 1990. Total employment was 100 higher at 52,700, while unemployment was unchanged over the year. The unemployment rate dropped from 6.5 percent in 1989 to 6.4 percent in 1990.

Nonagricultural wage and salary employment advanced 800 above the 1989 level to 52,200 in 1990, up 1.5 percent. Expansion in the service-producing sector created 500 jobs. Growth in services, especially health services, and in government outweighed nominal reductions in transportation and public utilities and wholesale trade. The workforce in goods-producing industries, at 20,500, gained 300 employees primarily due to more business in construction. Employment in durable-goods manufacturing and mining declined slightly during the period.


Steubenville-Weirton MSA, Ohio and U.S. Unemployment Rates

Steubenville-Weirton MSA
Civilian Labor Force and Nonagricultural Wage and Salary Employment[a]

(Employed and Unemployed in Thousands)

Civilian Labor Force	Employment	Unemployment	Unemployment Rates[b]				Nonagricultural Wage and Salary Employment		
			MSA	Ohio	U.S.			Goods-Producing Industries	Service-Producing Industries
66.9	63.3	3.5	5.3	5.9	5.8	1979	62.9	30.2	32.7
68.1	61.6	6.6	9.6	8.4	7.1	1980	60.0	27.5	32.5
66.2	59.0	7.2	10.8	9.6	7.6	1981	58.1	26.1	32.1
64.2	53.8	10.5	16.3	12.5	9.7	1982	52.3	21.7	30.6
59.9	50.6	9.3	15.5	12.2	9.6	1983	49.5	19.6	29.8
59.0	51.8	7.2	12.1	9.4	7.5	1984	50.3	20.5	29.8
58.0	51.1	6.9	11.9	8.9	7.2	1985	48.9	18.7	30.3
56.4	51.5	4.9	8.7	8.1	7.0	1986	50.3	20.0	30.3
56.5	52.0	4.4	7.8	7.0	6.2	1987	50.8	19.9	30.8
54.9	50.7	4.2	7.7	6.0	5.5	1988	50.5	19.8	30.7
56.2	52.6	3.6	6.5	5.5	5.3	1989	51.4	20.3	31.1
56.4	52.7	3.6	6.4	5.7	5.5	1990	52.2	20.5	31.6

[a] Civilian labor force estimates are based on place of residence. Nonagricultural wage and salary employment estimates are based on place of work.

[b] Unemployment as percent of civilian labor force.

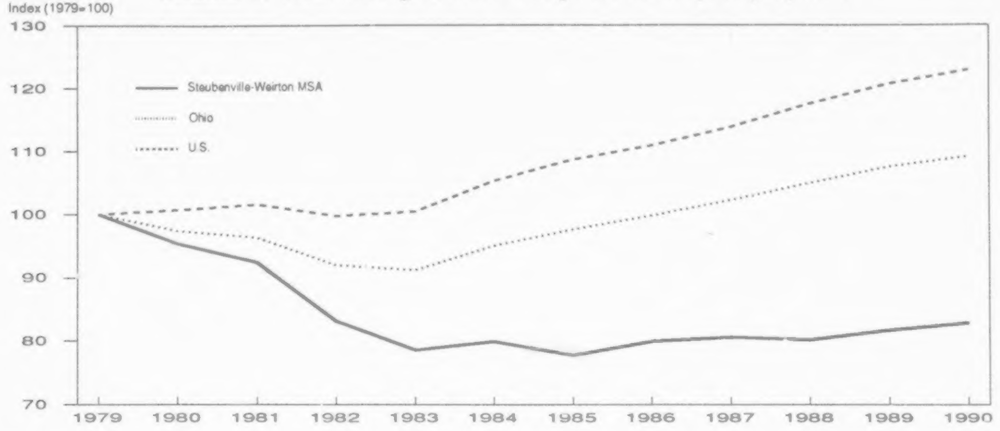
Nonfarm payroll employment in the Steubenville-Weirton area increased 2,700 since the 1983 economic downturn. Modest growth occurred in services, manufacturing, and retail trade. Declines were posted in transportation and public utilities and in government. From 1979 to 1990, employment dropped 10,700 or 17.0 percent primarily due to the loss of 9,100 manufacturing jobs. Transportation and public utilities was 1,200 lower; construction and mining and retail trade decreased 700 each.

Steubenville-Weirton MSA
Division-Level Nonagricultural Wage and Salary Employment

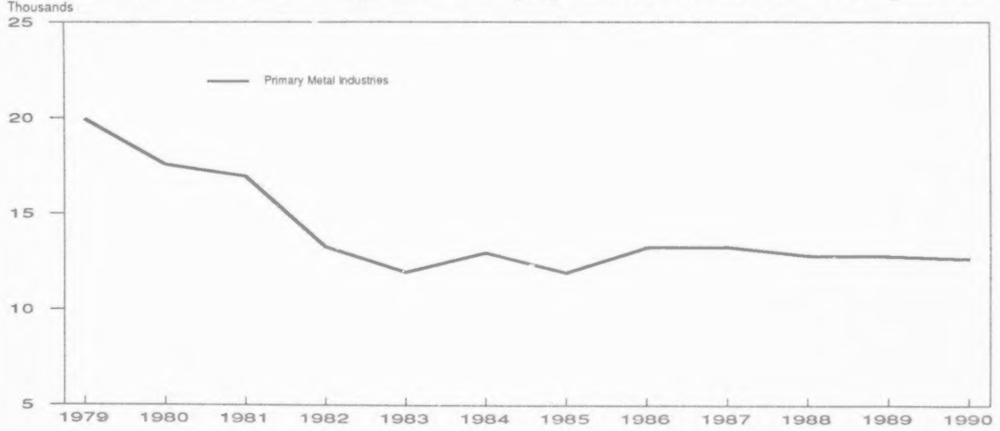
(Employed and Unemployed in Thousands)

Construction & Mining	Manufacturing		Transportation & Utilities	Wholesale Trade	Retail Trade		Finance, Insurance, & Real Estate	Services	Government
3.6	26.7	1979	4.3	1.5	9.5	1979	1.6	9.5	6.4
3.5	24.0	1980	4.2	1.1	9.2	1980	1.6	9.7	6.7
2.9	23.2	1981	4.2	1.2	8.9	1981	1.6	9.8	6.5
3.5	18.3	1982	4.0	1.1	8.3	1982	1.4	9.4	6.3
2.8	16.8	1983	3.6	1.1	8.1	1983	1.4	9.4	6.3
2.8	17.6	1984	3.6	1.2	8.3	1984	1.5	9.1	6.3
2.6	16.1	1985	3.5	1.2	8.5	1985	1.6	9.1	6.3
2.5	17.5	1986	3.3	1.2	8.7	1986	1.6	9.2	6.3
2.4	17.6	1987	3.3	1.2	8.8	1987	1.7	9.7	6.2
2.3	17.5	1988	3.3	1.2	8.8	1988	1.6	9.7	6.0
2.5	17.8	1989	3.2	1.3	8.9	1989	1.7	10.1	6.0
2.9	17.6	1990	3.1	1.2	8.8	1990	1.7	10.6	6.2

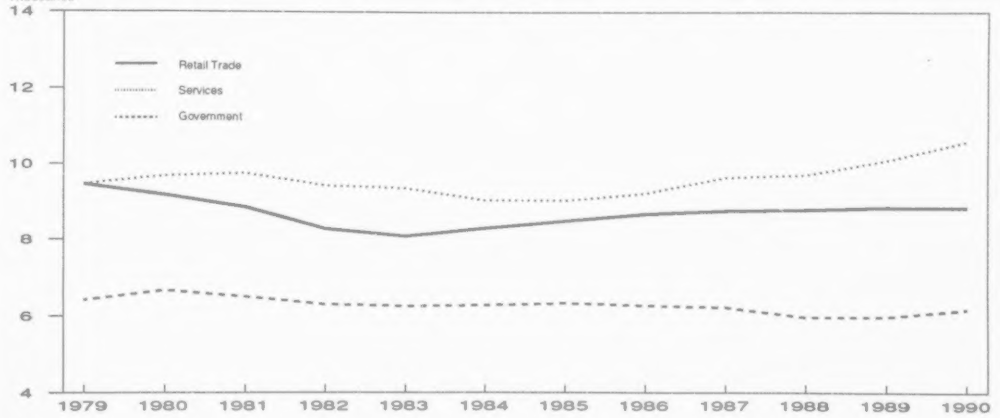
Indexes of Total Nonagricultural Wage and Salary Employment



Steubenville–Weirton MSA Nonagricultural Employment (Selected Goods–Producing Industries)



Steubenville–Weirton MSA Nonagricultural Employment (Selected Service–Producing Industries)



Steubenville–Weirton MSA

Nonagricultural Wage and Salary Employment, 1990[a]

(in thousands)

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	52.2	50.8	50.9	51.3	52.2	53.3	53.2	52.2	52.2	52.4	52.7	52.4	52.4
Goods–Producing Industries	20.5	20.1	20.1	19.9	20.5	20.9	21.0	20.8	20.9	20.8	20.9	20.3	20.5
Mining	.8	.9	.9	.8	.8	.8	.8	.8	.8	.8	.8	.9	.9
Construction	2.1	1.7	1.6	1.5	1.9	2.3	2.2	2.2	2.3	2.4	2.4	2.2	2.1
Manufacturing	17.6	17.6	17.7	17.5	17.7	17.7	17.9	17.8	17.7	17.6	17.6	17.3	17.5
Durable Goods[c]	16.0	16.0	16.1	16.0	16.1	16.1	16.2	16.1	16.1	15.9	15.9	15.6	15.8
Primary Metal Industries	12.7	12.7	12.8	12.6	12.7	12.7	12.9	12.8	12.8	12.6	12.7	12.3	12.5
Nondurable Goods[d]	1.7	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.6	1.7	1.7	1.7	1.7
Service–Producing Industries	31.6	30.6	30.8	31.4	31.7	32.4	32.3	31.4	31.4	31.6	31.9	32.1	31.9
Transportation and Public Utilities	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.1	3.1	3.1	3.1	3.0	3.1
Wholesale Trade	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2
Retail Trade	8.8	8.5	8.5	8.7	8.8	9.0	9.0	8.9	8.9	8.9	8.9	9.0	9.0
General Merchandise Stores	1.4	1.6	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5
Finance, Insurance, and Real Estate	1.7	1.7	1.6	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6
Services	10.6	10.1	10.1	10.5	10.6	10.8	10.9	10.6	10.5	10.7	10.9	10.9	10.6
Health Services	4.9	4.6	4.7	4.7	4.8	4.8	4.9	5.0	5.0	5.1	5.0	5.0	5.0
Hospitals	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.5	2.4	2.4
Government	6.2	6.0	6.2	6.2	6.3	6.5	6.2	5.9	5.9	6.0	6.3	6.3	6.4
Local Government	5.3	5.2	5.4	5.4	5.3	5.4	5.2	4.9	4.9	5.1	5.3	5.4	5.5
Local Government Education	3.3	3.4	3.5	3.5	3.4	3.4	3.2	2.9	2.8	3.2	3.4	3.5	3.5

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Steubenville-Weirton area is defined as Jefferson County, Ohio; Brooke and Hancock Counties, West Virginia. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual 1987 Revision." [c] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; fabricated metal products; industrial machinery and equipment; electronic and other electric equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [d] Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [f] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-13 (1990)

Steubenville-Weirton MSA

Nonagricultural Wage and Salary Employment, 1989[a]
(in thousands)

Industry	1989 Average	January	February	March	April	May	June	July	August	September	October	November	December
Total	51.4	50.8	50.4	50.9	51.0	51.8	52.4	51.1	51.3	51.4	51.9	52.0	52.2
Goods-Producing Industries	20.3	20.1	19.8	19.8	19.8	20.0	20.3	20.4	20.6	20.5	20.6	20.7	20.8
Mining	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9
Construction	1.6	1.3	1.1	1.1	1.3	1.3	1.7	1.6	1.6	1.7	2.0	2.2	2.3
Manufacturing	17.8	17.9	17.8	17.7	17.6	17.7	17.7	17.9	18.1	17.9	17.7	17.6	17.7
Durable Goods[c]	16.2	16.3	16.2	16.1	16.0	16.2	16.2	16.3	16.4	16.2	16.1	16.0	16.0
Primary Metal Industries	12.8	12.9	12.8	12.7	12.7	12.8	12.9	13.0	13.1	12.9	12.8	12.7	12.7
Nondurable Goods[d]	1.6	1.6	1.6	1.6	1.5	1.5	1.6	1.7	1.7	1.7	1.6	1.6	1.7
Service-Producing Industries	31.1	30.7	30.6	31.1	31.3	31.8	32.0	30.7	30.7	30.9	31.3	31.2	31.4
Transportation and Public Utilities	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.2	3.2	3.2	3.1	3.1	3.2
Wholesale Trade	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Retail Trade	8.9	8.7	8.7	8.7	8.8	9.1	9.0	9.0	9.0	8.9	8.7	8.9	8.9
General Merchandise Stores	1.5	1.6	1.5	1.5	1.5	1.5	1.5	1.6	1.6	1.6	1.5	1.6	1.6
Finance, Insurance, and Real Estate	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Services	10.1	9.8	9.6	10.0	10.2	10.3	10.5	9.7	9.8	10.2	10.5	10.3	10.3
Health Services	4.5	4.4	4.4	4.4	4.5	4.5	4.6	4.5	4.6	4.6	4.6	4.6	4.6
Hospitals	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.4	2.4	2.4	2.4	2.4	2.4
Government	6.0	6.0	6.1	6.2	6.2	6.2	6.2	5.7	5.7	5.6	5.9	5.9	6.1
Local Government	5.1	5.2	5.3	5.3	5.3	5.3	5.3	4.9	4.8	4.7	5.1	5.1	5.2
Local Government Education	3.2	3.3	3.4	3.4	3.4	3.4	3.3	2.8	2.8	2.9	3.3	3.3	3.4

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Steubenville-Weirton area is defined as Jefferson County, Ohio; Brooke and Hancock Counties, West Virginia. Based on March 1990 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [c] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; fabricated metal products; industrial machinery and equipment; electronic and other electric equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [d] Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [f] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-10-91 RS-790-1-13 (1989)

Steubenville–Weirton MSA

Average Hourly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$11.73	$11.72	$11.76	$11.75	$11.81	$11.80	$11.69	$11.68	$11.65	$11.69	$11.56	$11.90	$11.72
Durable Goods[b]	12.07	12.01	12.07	12.08	12.12	12.14	12.04	12.03	12.00	12.05	11.93	12.28	12.08
Primary Metal Industries	12.56	12.52	12.60	12.57	12.63	12.57	12.49	12.45	12.46	12.55	12.46	12.87	12.57
Nondurable Goods[c]	6.31	6.10	6.02	6.05	6.54	6.22	6.30	6.22	6.25	6.00	6.35	6.73	6.69
Wholesale Trade	8.54	8.85	8.84	8.60	8.24	8.42	8.45	8.42	8.55	8.50	8.45	8.52	8.60
Retail Trade[d]	6.00	5.83	5.95	5.90	5.97	5.95	6.03	6.04	6.02	6.06	6.09	6.02	6.13

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Steubenville-Weirton area is defined as Jefferson County, Ohio: Brooke and Hancock Counties, West Virginia. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; fabricated metal products; industrial machinery and equipment; electronic and other electric equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [c] Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [d] Money payments only; tips not included. [f] Depressed due to labor-management disputes during part of pay period. [g] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employement Services
Columbus 43216 4-15-91 RS-790-4-13 (1990)

Steubenville–Weirton MSA

Average Weekly Hours of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	43.4	42.4	42.1	42.5	43.3	44.0	43.6	44.1	44.1	43.4	43.0	44.7	43.9
Durable Goods[b]	44.3	43.3	43.1	43.4	44.0	44.8	44.6	45.1	45.0	44.4	43.9	45.6	44.5
Primary Metal Industries	45.3	44.2	44.0	44.3	45.3	45.8	45.9	46.1	46.0	45.5	44.6	46.6	45.5
Nondurable Goods[c]	33.0	31.0	29.5	31.7	34.0	33.5	32.7	32.7	33.8	31.8	33.5	35.3	36.3
Wholesale Trade	39.7	40.5	40.1	39.8	39.3	39.5	39.8	39.5	39.1	39.7	39.5	39.6	39.8
Retail Trade	27.5	27.0	26.8	26.9	27.1	27.4	27.1	28.0	27.9	27.4	27.5	27.8	29.0

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Steubenville-Weirton area is defined as Jefferson County, Ohio; Brooke and Hancock Counties, West Virginia. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; fabricated metal products; industrial machinery and equipment; electronic and other electric equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [c] Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [f] Depressed due to labor-management disputes during part of pay period. [g] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-3-13 (1990)

Steubenville-Weirton MSA

Average Weekly Earnings of Production or Nonsupervisory Workers, 1990[a]

Industry	1990 Average	January	February	March	April	May	June	July	August	September	October	November	December
Manufacturing	$509.08	$496.93	$495.10	$499.38	$511.37	$519.20	$509.68	$515.09	$513.77	$507.35	$497.08	$531.93	$514.51
Durable Goods[b]	534.70	520.03	520.22	524.27	533.28	543.87	536.98	542.55	540.00	535.02	523.73	559.97	537.56
Primary Metal Industries	568.97	553.38	554.40	556.85	572.14	575.71	573.29	573.95	573.16	571.03	555.72	599.74	571.94
Nondurable Goods[c]	208.23	189.10	177.59	191.79	222.36	208.37	206.01	203.39	211.25	190.80	212.73	237.57	242.85
Wholesale Trade	339.04	358.43	354.48	342.28	323.83	332.59	336.31	332.59	334.31	337.45	333.78	337.39	342.28
Retail Trade[d]	165.00	157.41	159.46	158.71	161.79	163.03	163.41	169.12	167.96	166.04	167.48	167.36	177.77

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Steubenville-Weirton area is defined as Jefferson County, Ohio; Brooke and Hancock Counties, West Virginia. Data relate to full- and part-time production workers in goods-producing industries and nonsupervisory employees in service-producing industries employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1987 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; fabricated metal products; industrial machinery and equipment; electronic and other electric equipment; transportation equipment; instruments and related products; miscellaneous manufacturing industries. [c] Includes food and kindred products; tobacco products; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [d] Money payments only; tips not included. [f] Depressed due to labor-management disputes during part of pay period. [g] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 4-15-91 RS-790-2-13 (1990)

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence. Civilian labor force data for the metropolitan areas is not available for the current month.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1987) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 12,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	41	.3
Goods–Producing Industries	47	.4
Mining	55	2.0
Construction	16	1.7
Manufacturing	53	.3
Service–Producing Industries	38	.2
Transportation and Public Utilities	41	.3
Wholesale Trade	19	.4
Retail Trade	24	.5
Finance, Insurance, and Real Estate	41	.4
Services	29	.3
Government	76	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than 0.3 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1990 benchmark. Employment data for 1990 will be revised at the next benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, selected Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.